

H
Wells River, Vt., Apr. 9, '04.

Mr. G. E. Davenport,
Dear Sir, —

Please excuse this delay in acknowledging the receipt of the specimens. You certainly are very kind to send me so much, — specimens, prints and printed matter, — and I feel especially grateful. I am glad to be in touch with some who knows something. Somehow at first I little thought I was writing to the Davenport whose name I had seen.

In my early years of fern study I sent more than once and in different ways to have something determined, and was often surprised and almost discouraged and disgusted at the results. They certainly showed much lack of real study as I have since learned by observation and study some of the

things I wished to know.

I remember sending a few of the Botrychium group and they all came back labelled var. obliquum. I had included what I now know to be var. intermedium (of the Ternate Grape Fern) and what I then knew was not obliquum.

I confess that I am puzzled with the Ternate Grape Fern ^{and} all its varieties. Some say it occurs here, and some not. I mean the real ternatum.

I am very glad of the specimen of the new fern ^{var. Pittsfordense} and very much wish I could know soon something about it. I would send at once for the Apr. number of "Rhodora", but do not know as it will be out. You call it a hybrid - between what? When was the fern found? ^{what habitat?}

I am getting something ready for publication and would like

to mention it. My manuscript must go to press there.

I am anxious to get at my roots of cristatum x marginale, if roots there are. I wrote you so very hurriedly that I did not express myself very clearly, in writing of it. The fronds were clustered, but whether there were several roots I know not. I am inclined to think there were two at least. The narrow, seemingly abnormal fronds, were noticeable and what first attracted my attention to the plants, which if I remember correctly were separated by a few feet. I do not remember any cristatum or marginale near it, but only have remembrance of Polypodium near by. I shall investigate

before very long.

One question which will display ignorance, but you labelled it - "forma Davenportii". Is this the same as a variety?

What number of the "Rhodora" contains notice of it?

One more question. If I find two or more roots of that erectata ~~X~~ marginalis when will be the best time to take up a root for you?

Your idea of the specimen sent you labelled a weak form of Silvery Splenwort, is the same as mine.

Also the fragment of the fern which you thought resembled a florist's form of

the Lady Fern. This was
one which was returned to me
once, labelled *Aspidium*
spinulosum var. *intermedium*
and I was not satisfied.
If I can find it again
I will send more
specimens.

The *cristatum* * *marginal*
I will send specimens of
later. Unfortunately I did
not secure much of it.

I am writing very hastily
and trust you will excuse.
and I may as well say that
I am getting out an illus-
trated (fully) field book, and
they are harassing me for the
revised manuscript. Trusting
for a reply soon, I remain
Respectfully, Helen Eastman

Wells River, Ht.

Apr. 18, 1904.

Mr. G. E. Davenport,

Dear Sir, —

Please excuse

this delay in acknowledging the receipt of the magazine, "Rhodora". I enclose stamps for same. I was very glad of the magazine and very glad also of the privilege of including the new fern in the little field-book, thus bringing it up to date. It will not be out for some time yet. Your print of ^{a specimen from} the new form of the Spinnelose Wood fern - var. Concordianum was also very acceptable. ^{my gift aided in my description} Your specimens and hints all around have been so timely that if you do not object I think I ought to acknowledge it in my preface, if you do not object.

I kept calling that the Crested Marginal fern (*Forma Davenportii*) or rather I should say a form of

it. You called it a crested marginal
and I had not really looked at
your narrowing, only glanced at
it. Think when I really came to
look at it I should have dis-
covered my mistake. However I
thank you for making the cor-
rection. I thought very strangely
that it could be called a form
of the cristatum x marginalis
but thought that it should be
a crested form of the marginalis.

I am hardly able to walk to
the fern roots now, but one
season is later than with you
so perhaps it will not be too
late a little later.

I do not know as a
book like mine will meet
with the approval of one so
far advanced in the study
of ferns as yourself. But
somehow I have seen the need
of an illustrated field-book
suitable for the beginner.
If illustrations are ever needed

it seems to me they are for the novice. No one can ever advance in the study until they have commenced, and not a few become discouraged at the outset by the multiplied forms and difficulties to be encountered. I feel that my work paves the way for those more advanced. I have endeavored to simplify the botanical part, and bring out clearly the distinguishing points of difference between species resembling each other.

My illustrations are by an entirely original process by my brother and myself, and while they are not at all artistic, I think they will prove a help and show fine points.

Apr. 22^d. I had written thus far, (at different times, for my eyes trouble me) when my manuscript was returned to me for a little revision, and to my

surprise I found it had been submitted to you. I was very glad to make the corrections, - one or two of which were a slip of my tongue in dictating another to write for me. I am also pleased at your favorable opinion of the book. You noticed in the preface my note of indebtedness to you. I inserted it thinking if you objected, I could easily have it crossed out.

One more point in your suggestions I will speak of. You wondered where I could have gotten my idea of the Common Blake not being a native of America.

I cannot certainly tell, but I think it was from W. N. Clete. I saw it somewhere and it was from one whom I thought was good authority, so I noted it and spoke of it. I wondered about it, the fern has become so very common.

I had doubts as to the use of

term "pteridophyta," but somehow I forgot the simplicity of my book.

I do not know whether I am going to be able to continue my botanical study or not. Last Aug. I was prohibited from using my eyes at all for such work, and even from reading for awhile.

If your patience is good you will receive the fern root sometime.

Trusting that you will excuse this long delay, which was unavoidable, I remain

Respectfully,

Helen Eastman.

P.S. I should like to subscribe for "Rhodora," but my means are limited. I have been in poor health for 11 years, consequently had to give up - or nearly so - my business as an artist.

• I suppose the firm settled

Note. - I never knew my father to
receive money for any revision of the manuscript
of *Alamy's* *Baromet.*
- 6 -

* with you for your trouble with
my MSS. but I wish to thank
you most heartily beside for
your consent to do so with
your eyes troubling you. I
am sorry my writing was so
mixed up in it, and I should
have re-written some parts if
my eyes would have allowed.

I noticed you marked a
Lycopodium which I sent
- *L. obscurum monostachyon*
but I suppose it the
same as the old naming
var. *dendroides*. If not
please drop me a card.

I will close once more.

Y. H. E.

11

Wells River, Ill.

May 17, 1904.

Mr. F. E. Davenport,

Dear Sir,

I see you know how to economize space, so as I am acquainted with the use of pencil for the same purpose, I make no apology.

Your letter was received Sat. morning, and my team was standing in the yard for me to go to get that fern. With that same mail came a lot of proof sheets which have delayed the sending of the fern roots.

But at last I have them ready. I found several, so

enclose under separate cover
with this mail three roots
of what you termed forma
Paraphorae of the marginals.

They may all turn into
the marginal, but I did
the best I could from the
limited number of fronds
found. I broke off none
but simply laid them back
before rolling in paper.

Hope they will reach you
safely and prove well.

As to the change in the
name of Mass. fern, I
shall be very glad to change
if it is not too late. I

expect to hear to-morrow.
I wrote at once about it.

Many thanks for your good
wishes and all your kindnesses.
My eyes still trouble, and
I have to be so careful
with their use in correcting
proof-sheets, that I expect
something wrong will creep
into the book. My powers
of observation are very apt
to be late, especially so
with poor eyes, for I do
not like to concentrate my
sight long. (This sentence is
poorly expressed but I think
you will understand.)

One more favor I wish
to ask. I enclosed away
back with the ferns a
sterile stem of a Horsetail
which you named arvense
but it is not like that
which I have always called
arvense, a blue print of
which I enclose.

I had associated this
sterile one (which I will
also enclose) with the fertile
Wood Horsetail (exaltatum)
but am not sure they belong
together. This is why I
wished it identified. Now I
will not trouble you to

return the specimens, &c., but simply give me the name sure of the sterile stem which I enclose; and if my blue print is not labeled right - correct it (not returning if you just mention blue print) (the plant I have labeled arvense).

One thing more I wish to speak of. C. H. Morse who has had my Mass. to criticize, &c. called my mode of illustration the "Blue-Print process", but I wish it distinctly understood that it is not, but an entirely

original process by my
brother. It is not
artistic, but it does bring
out fine points very clearly.
Hence I have made it.

Thanking you in advance
I remain

Yours respectfully,

Helen Eastman

H

Seabrook N. H.

May 4-98

Dr. Geo. E. Davenport.

Dear Sir:

I at last have a
 authority
~~Chance~~ to write about the ~~Plant~~ meet-
 ing. I understand you have consented
 to assist. If not, I wish you would,
 as you are on the ground and know
 more about the management of a
 thing of this kind than I. I should have
 kept out, but no one else seemed to
 care to go ahead, so I got waters to appoint
 me. We can't let such a golden opportunity
 slip.

Clute suggests a program as
 follows:

Address of welcome.

Reply for Fern Chalk & some other

Reading of letters from absent members
Presentation of paper by speakers present.
" " " absentees.

Question Box &c.

Adjournment.

The first would probably devolve on you. The second on the presiding officer, which will come dangerously near me, unless I can persuade Waters to attend, which at present he does not seem inclined to do.

I should expect a paper from you besides.

Would it be well to have a field-meeting the same day, and if so, what is the most interesting locality?

This is not intended for Chapter people only. Anyone who cares particularly for ferns is welcome, and I shall try to get some contributions outside of our ranks.

I hope you will be able at least to
look out for a room and if you need
assistance on the spot would suggest
F. S. Floyd, Room 23, Old Court House,
who, tho' not deep in botanical lore,
appears to be much interested. I all
also be thankful for advice.

Very sincerely

A. A. Eaton

Seabrook N.H. 6-12-98
Dr. Geo. E. Davenport.

Dear Sir:

Yours at hand
duly. I am glad the thing is coming
into shape. I enclose list of mem-
bership, since augmented by 5 or
6. I have nothing definite as to num-
bers who will come, and shall not have
for some time; but I should judge
about 40. Being on the ground,
you can arrange the date. If possible
do it so I can put it on circulars in
about a week. If you can, ^{it} will be well
to have it come when no kindred meeting
is on. You can have it either A. M. or
P. M. If you think proper, have it
put on the Catalog.

I hope you may be able to give
us a short paper. While I don't wish
to circumscribe you in any way,
I think an article on hybridity of ~~these~~
ferns will be as instructive and will
bring out as much discussion as any-
thing. I am "agnostic" myself, taking
in all for or against and weighing it.

I have ^{concluded} ~~decided~~ *Equisetum litorale* is
not a hybrid.

Seabrook N.H.

Aug. 4 - '98

Dr. Geo. E. Davenport.

Dear Sir:

Yours at hand
today. The arrangements
are perfectly satisfactory.

I am not sure but from 9 1/2
would do, but time must deter-
mine. I do not expect a very
long program, nor do I desire
one so long as to be tiresome.

I have 5 or 6 papers promised, in-
cluding one from myself, which
I am not sure of presenting.

Some of these are short, the
longest of which I heard from being
20 minutes. I think we can
safely allow half time of presen-
tation for discussion, which I
hope the papers will bring

out, and ²which will open our
eyes to new investigations. Allow-
ing one or two more papers to come
in will give nearly 2 hours for
this part, which is long enough.

I am counting on the outing for
the P.M. starting at the time the
Comm. sets. I shall try to time
the program to end at 12.

I am embarrassed in getting
out programs by the dilatoriness
of Clute's printer. I supposed
I had blanks & circulars, and
I waited 2 weeks. Then a postal
to Clute brought them. I shall
have to allow about 10 days to hear
from western members, which
will give programs a week
before meeting.

I fear Mr. Dodge won't be able to
attend. He is working overtime
at present. I have not seen
him this summer, but he is to

before long. ³

I hope you will be able to prepare that paper, as I am interested in this subject, and would like your views; and I know others who are taken the same way.

Hoping to hear of an improvement in your health

Very sincerely

Elvah A. Eaton

Mrs. Britton will bring her collection of *Chloroglossum* for us to see, and suggests you be invited to do likewise. I have recently added some odd forms to her collection, and it seems the whole thing is in a state of chaos. I should be happy to know you will exhibit your specimens. Sincerely
Eaton

Seabrook N. H.
Aug. 17-02.

Dear Mr. Davenport.

Marked copy of
Proclara at hand. While I am
not specially interested in how the
nomenclature question is settled, it
being ~~more~~ necessary to have rules for
the future than those of the past, it seems
to me that Underwood's position is
utterly untenable, and that you
have done us a great favor in
preventing the change he advocates
in a recent article, making nephro-
dium mean something entirely dif-
ferent.

So far as I am able to say, Gilbert
was first in America to open a tan-
gible way to get out of the Dryok-

teris grandary, at the Boston Meeting: and I seconded his suggestions as to what his paper was to be with enthusiasm. "If the closely related, the genus is 'Dulcis' all sub-genera of the old form are so regarded.

I hope Underwood is alone in the absurdity of taking the first species under a genus as the type. This is priority run mad. It seems to me nothing will kill the reform movement more surely. What we want is absolute fixity of names, rather than absolute justice to authors. And the system that gives that most nearly will be the system that will do the most good. One is inclined to think many of these changes are made to bracket the real author and add the

Name of the nomenclature student.

I notice that Bailey's Dictionary of Horticulture is on "reform" lines. He uses *Deomstaedtia*, *Dryopteris* &c. He issued it with the idea that all changes had been made and a unifying existing names among horticulturists. But see the changes that have taken place in plants and what a vast amount of change there will be when the rules are applied to other plants and have been all worked out - but some phanerogam in Underwood!

Let us hope the thing will never be done.

Thanking you for your favor

I remain

Very sincerely

A. G. Eaton

✓ Seabrook N.H.

Oct. 30 - '22

Mr. Jos. L. Devanport:

Dear Sir:

I am continuing making application to the Carnegie Trust for assistance to allow me to pursue my studies in the literature of the East, - especially in Monographs of the various Frontiers of the world, which I have fairly well in hand. I write to ask if I may use your name as a reference.

If you can consistently allow it, you will confer a great favor upon

Yours sincerely,

A. C. Eaton

Sept. 1 - 1907

Dear Mr. Davenport:

Yours of yesterday arrived tonight. The *Isotria* is *echiniaspora* var. *Braunii* and appears as near typical as one often gets. These varieties of *echiniaspora* show well the errors one is liable to fall into when taking up a variable species without knowledge of the facts, and on meager specimens. Not only are *Braunii*, *muricata* and *Boottii* not distinct, but it is very questionable if more than one variety should be allowed, and *Boottii* will have to pass anyway. Yet I feel sure Du Roi considered from the few specimens he received, that they were all right.

I can find no stopping place between *muricata* and *Braunii*, tho' the extreme forms are distinguishable nearly always, by leaf-characters that are easily and immediately recognizable. None who has studied them thoroughly, but would be confusing to the amateur if reduced to words.

X Poor Wendt! I feel his loss keenly, for he was a friend to me, who, out of the magnitude and wholeness of his soul had befriended me, with no other reason but his innate love of his fellow man and predilection to do good; and I had no opportunity to repay his kindness. Thus I feel that floating on the sea of things that are as a plank of *Platanus thuyoides*, released by him, but which I may guide to the aid of some other poor needy mortal, and thus pass on Wendt's

death. From the account I saw in the Newburyport
paper he met his death simply by indiscreet curiosity.

I have thought you might like some specimens of
Florida ferns I collected, and have intended to speak to
Mr. Ames about sending you some. He is not here today,
but will be willing I am sure. If so I will send some
on soon.

Very sincerely

A. G. Eaton

X

Sept. 17, 1905

Dear Mr. Davenport:

While in the woods today I came across a fern that has most of the characteristics of *cristata* & *Marginalis*. But is sufficiently different to warrant sending you some fronds. The chief difference is ⁱⁿ the indusium which have much the aspect of *Boottii*, being firm even now, and the centers ^{are} granular as in that species. The aspect is somewhat of that also, and the fronds carry themselves more erect and are rather more attenuate at base, and the pinnae are vertical to the plane of the rachis (tho this may be owing to exposure.) I am speaking from memory, my specimens being tied up and inaccessible at present, but I have grown it for several years at seabrook.

I have seen several forms, indeed no two exactly match, so far as my experience goes. Allowing *Boottii* to be capable of hybridizing, I believe it is always sterile & this might ^{more} easily be a hybrid between *Marginalis* & that than *cristata*, judging from present companions. There are several roots of *Marginalis* and many of *Boottii*, while I saw no *cristata* nearer than 200 ft or more (tho it might exist). There were 6 large plants from one original, of which I took two. The rootstock of one has three smaller ones attached.

would like your opinion of it.

Very sincerely

C. C. Eaton

THE AMES BOTANICAL LABORATORY,
NORTH EASTON, MASS.

Sept. 26. 1905

Dear Mr. Davenport.

Just returned from a week in New Hampshire. Very sorry your eyes prevent your studies on the ferns. It must be very trying. We go to Europe (Mr. Ames, Sewitt and I.) two weeks from today, if we can get ready, & compare up some European types of orchids, determine some of ours etc. Would be very glad to see you out, but if you like I will send in the mounted Chapter ferns for you to study, also any of my own that are available. Mine, as I think I wrote, are rather chaotic at present. I hope to straighten them out this winter.

Mr. A. spoke of the very interesting specimen hybrid you are working on.

I think I told you, but am not sure, that I got *Schizaea pinnula* in Fla. I also got a *Nephrodium*, very near *peters* in appearance, but with erect caudex and very chaffy stipes, the anterior basal pinnulae enlarged and appearing like miniature fronds. Have nearly root found growing in greenhouse. Not *Molle*, as understood by comparison

with greenhouse specimens, *rupestris* patens. I sent
a friend to Maxon, but he hasn't reported. Will remember
you when it can spare another friend.

I hope you can come out, if not now, when we
return. The Chapter specimens are now at my home,
as we are crowded here. Will be glad to see you there
at any time, for as long as you can stop. We reunite
at Lab. at all times.

Very cordially

A. G. Eaton

New Haven.

Nov. 20, 1873

My dear Sir -

I send separately by
mail a plant of *Botr-*
ternatum which comes
so near the original form
from Japan, that you
may call it typical if
you like. The other forms
you desire I have not
to spare. Anyone in
England can send you
typical *Aspid. spinulosum*.

I have never seen

and American Botr.
borale - & have two
small Scandinavian
specimens only -

I have not Mr. Peters
address - Dr. Gray may
perhaps know it.

nor Mr. R. R. Scott's either.
Mr. W. H. Leggett, 224 E. 10th St.
New York did have some
duplicates of *Aspl. cheuoides*.

Aspl. myriophyllum I rec'd
many years ago from
Dr. Chapman - & all I have
is glued down in my

herbarium. I do not
know that any one else
has ever collected it -

Yours truly

Samuel C. Eaton

Mrs. Davenport.

12
New Haven

Apr. 9. 1874.

Geo. E. Davenport, Esq.

Dear Sir.

I should call your
drawings *B. lanceolatum*
& not *matricariifolium*.

The Calif. fern is plainly
Asplenium Filix femina.

Thanks for station of the Pteridites.
Can you get that of the big
spec. of *Botrychium ternatum*?

Yours very truly

H. C. Eaton.

New Haven, Connecticut. Nov. 11, 1874

Geo. L. Savenport, Esq.

Dear Sir,

I have your letter
of the 9th, with Ferns endorsed.

Nobody knows anything
about *Pol. Californicum*, nor
can know positively without
seeing Haugfuss' original
specimens. Hooker guessed
that it was the same as his
intermedium, & I guessed
it was not - Your plant will
do well enough for *intermedium*.

I do not know who can
send you the Ferns you
desire - Advertise

for them in the California
Horticulturist.

Aspid. Californicum is
doubtful.

I have no *Asplenium*
dentatum from the U.S. & when
you get it I hope you
will send me some.

I saw it in the Torrey
herbarium.

Aspid. Ludovicium
I have never seen, & know
nothing about it.

Sorry to be so unsatisfactory -

Yours truly
J. Eaton.

6. I can say nothing about
it till I see it in fruit &
full grown.

7. Can not tell what it
is. It may be almost
anything. I must see
fruit & know where it
came from.

I have forgotten about
Asplenium filix-femina
var. *nicholsonii* & *angustum*.
It is just as well to ignore
most varieties.

I would like to have
Onoclea from California.
Like St. Thomas I won't

believe without seeing -

My students bring me
all sorts of Eastern
things & are ready to swear
they came from California.
& I don't believe it.

New Haven
March 16. '75

Dear Sir -

Above are some
notes on your ferns. I have
not time to say more.

Yours truly

J. V. R.

Wm. Davenport

Mr Danforth's Ferns.
March 16. 1875

1. *Phegopteris Dryopteris*. + not
unusually large either.
2. *Pellaea brachyopus*, var. *brachyptera*.
P. Wrightiana is what Mr
Brandege sent you.
3. same as 2. I do not
know *P. bella* very well. but
suppose it to have nearly round
pinules. I have not the
late Ed. of the Synopsis.
4. *Ad. Chilense* - The lady
is assuredly mistaken - I
rarely place any dependence
on the specimens given by ladies.
They forget. & get things very
badly mixed up.
5. you are right.

P.S. My wife says I must
return the Botrychium,
which I do - unwillingly -
I wish you could get me
a specimen of N.

New Haven -

June 11. 75.

Geo. E. Davenport, Esq.

Dear Sir -

I have very little
time to spare now-a-days
for correspondence - & am
sadly behind-hand in it.
Cheilanthes sent May 28 is
C. Fendleri. *C. gracillima*
is right - Other Cheilanthes
just received is probably

the Clevelandii - but I
don't like to name critical
forms from a single frond.
Botrychium is B. triplex,
var. compositum. I have
had it twice before from
Cal. but always with
a "please return". So I
keep yours, for the present,
& send you instead of it
some Cheil. Wrightii, the
only one of your desiderata
I have to spare.

- I return the list of desiderata.
- 1- I have not had in many
years - no duplicates now.
 - 3- 5- 8- 10 - same story.
 - 2- a doubtful plant. I do
not clearly know it.
 - 7- 13- 14- 12. no duplicates.
 - 8- I have never had myself
from America.
 - 16- same story - it is in Torr's
~~herbarium~~ only.
 - 15- utterly unknown to me.

Just where is the Botrychium
from - & where was the big
B. tematum last year from?
Yours truly
J. C. C.

Desiderata

See letter from
Prof. Eaton June 11-79

- 1 *Polypodium falcatum*, Kel'g.
- 2 " *californicum*, Ry.
- 3 *Notholaena candida*, Hook.
- 4 *Cheilanthes Wrightii*, Hook.
- 5 " *uspera*, "
- 6 " *Sindheimeri*, Hook.
- 7 " *myriophylla*, Desv.
- 8 " *argentea*, Hook.
- 9 *Pellaea flexuosa*, Link.
- 10 *Adiantum filiforme*, Fee.
- 11 *Asplenium dentatum*, L.
- 12 *Aspidium californicum*, Eaton.
- 15 " *Sudovicianum*, Kunze

- 13 *Cheilanthes Clevelandii*, n. sp.
- 14 " *Cooperae*, n. sp.

Found this
J.R.

well with Mr. Cleveland's
specimens - and these
run into *P. intermedium*, &
I have no certain rule
for distinguishing always
P. intermedium from *P. vulgare*.

The whole trouble is that the
books are not the standard, but
Nature is. We can go to the
bottom of Books, but Nature
is unfathomable.

Ever truly yours.

D. V. Eaton

New Haven. July 9. 1875.

Geo. L. Davenport. Esqr.

Dear Sir.

I have not yet
thanked you for the little
Botrychium which you were
so kind as to send me.

I have put it away in
the proper place, with your
ticket, and now offer my
thanks. I may perhaps
never write up the *N. Amer.*
Ferns as I should like to,
but as my collection is now
by far the best. it is perhaps

well to keep it so.

As to when *Botr. simplex*
becomes var. *compositum*
must be a matter of individual
judgement. Your largest
figure surely is the var.
the next largest is not,
& the smallest one I
~~should~~ call the var.

As to *P. Californicum*—

I wrote Mr Cleveland a
long story about it. The
gist is this—The common
Californian Polybodium

is certainly *P. intermedium*.
Kaulfuss' *P. Californicum*
is an older name for
something. Hooker & Baker
say it is the same as
P. intermedium, Hook. & Arn. &
so they give up the latter
name for the former.

Perhaps they are right—
perhaps not—I don't know.

I have had no clear idea
as to what *P. Californicum* is—
& don't want to be quoted
as pretending to know.

The brief character
given by Kaulfuss agrees

Geo. E. Davenport Esq.

Dear Sir.

Thanks for the ferns sent
the other day.

Adiantum Capillus Veneris
I had from Lower California
before. *Aspidium patens* I
had once before from California.

The numbered ferns I would
name as follows.

1. *Cheilanthes lanuginosa*
2. *Notholaena candida*
3. *Cheilanthes Clevelandii* - but
not absolutely certain it
is not *C. myriophylla*
4. + 5. *Ch. Fendleri*
6. *Ch. Clevelandii*

The white condition of
the last is very interesting.

Yours very truly

Harriet C. Eaton

X 2 Hamilton Place,
Boston, Mass., July 12, 1877

Dear Sir;

I have the pleasure of sending to you a specimen of what I believe is a new species of *Cheilanthes* and which I have ventured to name *Cheilanthes viscida*, ^{the species before} subject to your approval. I detected it among some specimens sent to Mr Robinson, by Dr Pursh, for *Cheilanthes* ~~the~~ *C. sp.*. It is quite ^{well} ~~clear~~ ^{as appears} to me that

~~Dr Pursh~~ collected it with, and for this latter species as the specimens received by Mr Robinson were all together under this one name, and Mr Robinson, being at the time busy, sent specimens to me without observing the difference. The plant however, is certainly very distinct from *C. Canadensis* and different from anything that I have before seen from the United States. I cannot make it agree with any known description, and think it must be an entirely new species. During a visit to Mr Robinson a few days ago I called his attention to it, and together we gave it a more careful examination with the ^{same} ~~same~~ result.

The plant is peculiarly viscid, being covered with ^{distinct} glands but exudes a glutinous matter.

that makes it most decidedly sticky. A frond
placed in warm water to soften the parts became
so sticky, as to leave on the fingers a sticky
touch, lasting for some time, and even the dried
frond if held between the fingers tightly a ^{few} ~~minutes~~
- must become sticky, as the warmth of the hand
expands the glands. It is this character that
suggested to me the name which I propose
for it, and which meets with the approval of
Mr. Robinson, as I hope it will yours, unless
you are able to place it with some species
unknown to us here. In other respects the
species seems to me to be no less distinct,
and if my judgment is correct, then we have
another species to add to the list of Cheilanthes
given by you in the new Horn Book. Please
retain the specimen I send. I have about
as much more for the Mass. Hor. Soc. Herb.

I have for sometime suspected that
Cheilanthes myriophylla has got mixed up
with *C. Clevelandii* in the specimens sent out
by Mr. Cleveland, but have never had a genuine
specimen of the first species by which to judge.
Specimens from the Hornville Plant, given in

The preceding (and which I think must have been
greater ^{from its natural} appearance during its cultivation under
glass, as I know some other of the genus have
done so) have recently strengthened this
suspicion and Mr. Hudson kindly loaning me
his specimen of *myriophylla* from when Mr.
Robinson and myself examined some specimens
of the Cleveland plants that were hardly to be distin-
guished from the Mass specimens and not only
found the same beautiful ciliate appearance on
the upper surface of the frond that we found on
the Mass specimen, but on removing the lower
I beautifully ciliated scales we found on the
under surface of the pinnae in the Cleveland
specimens distinct hairs attached just as in
the Mass specimen. I send one of the fronds
examined (from the Cleveland) to you and re-
spectfully solicit your opinion in regard to it.
On examining specimens of *C. Bradburii* from
Colorado and California, we found that while
the Colorado specimens, without any exception,
were scaly only, with entire ~~at the~~ scales, the
scales in the California specimens were more or
less ciliated, the long cilia overlapping the base

And giving to the upper surface of the pinnules a
similar appearance to that shown in C. magnifica
and Chelonic, but on removing the scales we
found the under surface of the pinnules smooth
and free from hairs.

I had intended to have made some communica-
tions to you in regard to Utah specimens of
Adiantum Capillus Veneris, but as I have already
trespassed too far, I pause, on your patience
I will reserve that for another time.

Respectfully,

Rev. E. Davenport

Prof. Daniel C. Eaton
New Haven, Conn. }

We now think it would be possible for me to
obtain it.

Step 1. 1st. To, deeply in the base of the
fine leafy scales or more above than that from
4 to 6 in long. distinct white glaucous fluting
upper pinnule distinct

New Haven. July 30. '77

My dear Mr Davenport;

I have described your
Cheilanthes viscida in my
report on the Ferns of the South West,
for Wheeler's reports. My paper
is now ready for the printer.

I have a good deal of *C. myriophylla*
from California & Arizona, which
I have taken out from my cover
of *C. Fendleri*. Your friend from
Cleveland is good *C. myriophylla*,
& is not what he has sent to me -
though I do feel a little
doubtful about *C. Clevelandii*.

Still I keep it up for the present.

I have already written out
my views of the Utah
Adiantum - I do not see

how I can make a species
of it distinct from *A. Capillus-*
Veneris, though you are
right in what you say
about its peculiarities

I send you a pound of
Asplenium serratum - & one
of *Aspidium Novboracense*
from California - coll. by
Mrs Pulsifer Ames. I do
not know exactly where, but
have written to find out.
It is dotted with minute
resinous glands.

Yours very truly

B. C. Eaton

New Haven Aug. 8. 1877

My dear Mr. Sauerbort.

Aspidium nevadense, n-sp.

differs from *A. Novboracensis*
in having a short creeping
rootstock, with proles clustered
at the growing end of the rootstock,
+ in having the under surface
minutely amber-dotted.

You ought to have seen
this - Please tell me
where Mr. Miller's locality
is, + if you can, send me a
bit of one of his plants.

Many thanks for the
specimens sent me.

The var. laciniatum matches
well with a specimen I have
from Moore.

Have you any Osmunda
from the Pacific Coast or
any Phegopteris other than
Ph. alpestris?

Have you Ophioglossum from
California or Oregon?

"Woodia scopulina?" yes.
from Mono Pass. Bolander.

Don't be afraid of writing
me too long a letter. Only
pardon my brevity.

Thanks for your

notice in Amer. Naturalist,
& your good wishes.

I am negotiating for
200 extra copies of my
report on Ferns of the S.W. so
as to have plenty to give
away—

Yours very truly

S. Eaton

New Haven. Aug. 25. 77

My dear Mr Davenport.

Thanks for the specimen
of *A. Nevadense* from Mr. Miller.

Mrs Ames writes me that she
& Mrs Austin got it at the
locality for Darlingtonia, at
Quincy, Plumas Co. where it
grows abundantly along the
Creek. It was Goodale
who wrote the notice in Amer.
Naturalist. I read carelessly
his initials "G. L. G." & thought
them G. L. D.

I return Dr. Parry's letter
with thanks.

Mr Cassino has had

some trouble in getting
his plates printed. & now
he rearranges Part I. & I
have to write up some
species ~~new~~ to replace some
which he lays aside for
a later number.

I have just received
Botrydium lanceolatum from
Colorado. Mr. Brandegee.

Yours very truly
S. C. Eaton.

are quite as hairy.

I have heard nothing
from Cassin in nearly
three weeks. He seems to
have "got stuck" somewhere.

Meanwhile I am waiting
the return of some *Bostrychimus*
I sent him before I can
finish my MS for his
part 2.

Yours very truly.

Samuel C. Eaton

New Haven.

Oct. 15. 1877

My dear Mr. Savenport.

I have been as much
troubled as you are to
distinguish between *Cheilanthus*
myriophylla, *Fendleri*,
and *Clevelandii*.

Cleveland's first specimen
sent me looked very distinct,
but later ones I have
called *C. myriophylla*.

Fendleri ought to have more
entire scales than *myriophylla*,
& *myriophylla* ought to
be tomentose or white hairy
on both surfaces, more or less.

but I can not always, since
the characters clearly show.

In old, & weather beaten
plants, such as your No 3
from Miss Pelton, I would
not undertake to decide.

The others 1. & 2. I should
call *C. myriophylla*.

I have not by me my
MSS on this genus, & can't
remember what I said
about them, only that
I kept up all three species
for the present.

I should be very glad
of good *C. Clevelandii*

with the rhizome.

Hooker says (*Sp. Fil. II. p. 100, 102*)
of *C. myriophylla* & *C. elegans*,
(now united). "caudex scarcely
any, nodose". And

of *C. Fendleri* "caudex creeping,
scaly". I must wait for
more, & especially better,
materials before revising
or re-asserting my opinions
about them. It is always
dangerous to give an opinion
on scanty or uncertain evidence.

I see nothing distinctive
in your *Woodia*. The involucre
is precisely that of *W. scopulina*,
and some of my specimens

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In Connection with the Direct United States Cable, and the Dominion Telegraph Company of Canada.

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St 33p 71

Dated, New Haven

To Geo E Davenport

Rec'd at
Nov 21

187

Hamilton place

10 please let me see your new york specimens
15 of Botrychium I keep back proof sheets
20 for that species to say a word about
25 your specimens mail them tonight
30 if possible will return them promptly
D. Claton

printed I will put in a
systematic synopsis of all the
species - to be done before
Plate I. & this will perhaps
sufficiently unify the whole.

I have now assumed to direct
the choice of species for illustration,
& will try to have the viscide
put in as early as part IV or V.

I can not well do it sooner.

Lieut. Wheeler has my finished
MS. of Terns of Southwest & in
that I have described your
plant. But perhaps you had
best give the name & character
in the January Bulletin.

I will be glad to look over your
notes on bird-forms. Hilde says
not much about birds.

Yours very truly
J. C. Eaton.

New Haven, Nov. 24, 1877

My dear Mr. Savenport.

I thank you most
heartily for your prompt
response to my telegram,
and especially for the
permission to keep the specimen.

Also I desire to offer my
grateful acknowledgements for
your very flattering notice
of the book. It is costing
me a deal of time and worry,
and I shall get but very
little pay for it - and probably
plenty of abuse for what I
both say and leave unsaid.

The specimens are clearly
B. Lunaria. The tracing is
different from any specimens
have seen - I have not looked
up Milde's figures for comparison,
but I can readily believe you
are right about it. I had
space to say but a few words
about the Syracuse locality.

I referred to your paper in
Toney Club Bulletin - named
Mr. Munday & Mrs. Rust - added
a word about the abnormal
form & ended with "and he
also tells me that ~~that~~ he
finds that the first specimen
sent from Syracuse was collected
by Mrs. Rust." It is not necessary
that I should name Miss Horner.

There are many things about
the book in which I cannot
have my own way - I wished
for more figures of each species
(each small species) so as to show
variations, but could not get
them. It is a great disadvantage
for me to be here & Mr. Emerson
in Salem - I should have
left *B. boreale* till one of the
last numbers - but they had it
drawn (from a Norway specimen)
before I knew it.

I do not think the paging
can be remedied - But plenty
of works exist, in which the
natural order is not followed -
as Harvey's *Physiologia humana*
in 5 volumes, for instance.

When the last number is

New Haven. Nov. 27. 1877

My dear Mr Davenport.

I received your letter of the 24th last evening, just after I had mailed to Mr. Cassino my MS on *Botrychium lanceolatum* and *B. boreale*. I shall have a chance when I see the proof to correct the statement about the origin of the specimen of *B. boreale*.

I have written to have Miss Hosmer's name put in the other story, & to omit the last two lines about "he tells me also that the first specimen sent from New York

was collected by Miss Rust",

I am to see another proof
of this paper too - & will
see that it is all right.

Since the above was written
I have your letter of Monday.
I shall have no trouble
in making it all straight.
So not speak of any trouble.

I tried for a month to
make Cassius tell me
where that *B. boreale*
came from - & at last
was told it came from
Norway - I will make

the correction in due time.

Yours very truly

S. J. Eaton.

Daniel C. Eaton,
NEW HAVEN, CONNECTICUT.

May 1. 1878.

My dear Mr Davenport.

Please pardon my
slowness, but I am
more driven now-a-days
than ever before.

I think Dr. Bigelow's fern
is my *N. Parryi*, as
you suggest - but I do
not think it can be proved
that he got it in California.
In those days people were
not so definite about
localities as they are

now—

Mr. J. Gonnell Smith
has a few Florida
specimens of Ophioxform
helmutum.

How do you like Parts
IV. & V.

Yours very truly

J. V. Eaton.

Daniel C. Eaton,
NEW HAVEN, CONNECTICUT.

May 8. 1878.

My dear Mr Davenport-

I am sure, if I have
done Mr. Miller any injustice.
In writing up the fern I had
no specimen of his collecting
before me. Did he get it
earlier than July 1875 - the
time when Mrs Ames says
her brother got it for her?

Might not Mr. Miller's specimens
have come from either Mrs
Austin or Mrs Ames? (see letter
330)

Mr. John Donnell Smith,
75 Park St.

Baltimore

is the gentleman who has

collected Ophiogloss. palmatum.

Among some ferns from
Dr. Griseb are specimens
of *Asplenium dentatum*,
which has been so rare
hitherto that I had
no Florida specimens.

Yours very truly
S. L. Eaton.

See letter # ~~1001~~

New Haven. May 9. '78

Geo. E. Davenport, Esq.

Dear Sir.

I had not noticed that
Plate XIII was marked
Asplenium - before -

The R. Br. is wrong too.

I have had nothing to
do with the names on
the plates hitherto, but
will try to get the
control of it hereafter.

I enclose some of
Miss Burbeck's ferns.

Mr. Baker thinks it is
new. I think it is only
starved N. candida.

Cleveland can get more
of it for you - He calls
it candida.

A good many ferns are
sometimes colored & some times
not. Aspl. Filix-foemina
for instance -

Yours very truly

J. V. Eaton

New Haven July 1. 1878

My dear Mr. Davenport.

I do not know that I have yet thanked you for the specimens of *Aspidium spinulosum*. I have not looked to see if the indusia are glandless, but the look of the plant scarcely comes up to my idea of typical *spinulosum*. The Newton plant is nearest - having oblique pinnae



but in the Medford plant the pinnae are too widely



spreading, & almost to much compound —

But I write just now to
ask if you can tell me
how or of whom I can
obtain a live plant of
the pink E. Massachusetts
water lily - I have built
me a rockery & a basin on
the N. side of my house, &
want a pink-flowered Nymphaea
for the basin - if I can get it.

Perhaps you can tell me
to whom to apply -

Yours very truly

S. L. Eaton.

New Haven July 30, 1878

My dear Mr Davenport.

The only *N. American*
Pt. Cretica I have is from
Dr. Chapman, collected
somewhere in Florida. Hooker's
words in *Sp. Fil.* II. p. 160, lines
17 & 16 from bottom, exactly
describe my specimens.

of course I have not seen
Mr ~~Woot~~ Mohr's plant, but
I believe *Pt. serrulata*
comes only from Eastern Asia
& Africa - & that *Pt. Cretica*
is attributed not only to

Florida, but also to Mexico
Guatemala + Brazil.

Writing my Fern book takes
a great deal more time than
I had expected.

I am now on the genus
Trichomanes.

Yours very truly

Samuel C. Eaton.

Daniel C. Eaton,
NEW HAVEN, CONNECTICUT.

Sept- 6. 1878

My dear Mr Savenport.

I should call your
fern Pt. serrulata, rather
than *Cretica*. But if it
be serrulata it has no
business in Alabama.

I have written to Mr
Mohr for more specimens,
& hope in time to have
the matter straightened
out. Thanks for the live
plants. I have had
them potted carefully,

and hope they will
do well. I have just
spent 8 days in Ulster
County, N.Y. but saw
no ferns of special interest.
I brought home a fine
root of A. spinulosum,
either the type or near it.

Yours very truly

J. C. Eaton.

Daniel C. Eaton,
NEW HAVEN, CONNECTICUT.

Sept. 9. 1878.

My dear Mr. Savenport.

It is with great regret that I read of the death of one of your children. I have three - and how carefully & anxiously do I watch them! I hope Mr. Mohr will send me a good series of the Pteris - Possibly we can run it into P. Cretica.

P. Cretica - it is said - has appeared within a few years on the walls of the College in Charleston. I have written for specimens.

I send you the latest find - only sterile fronds as yet gathered. Guess what it is.

Yours very truly

D. C. Eaton.

Daniel C. Eaton,
NEW HAVEN, CONNECTICUT.

Sept. 17. 1878.

My dear Mr Davenport.

Yes - it is *Ceratopteris*
thalictroides. If Dr Garber
sends fruit I will share
with you.

Prof. L. R. Gibbs wrote
me last month about
the Charleston Pteris, & I
have asked for specimens
& think he will send them.

I will be glad to see
your paper on *Aspl. spinulosum*.

The fern you sent me was
Cyrtopteris fragilis - I believe

for you to look at again.

My *Ad. tricholepis*, Fée. is
all glued down - I have
only one found from the U.S.
one from prov. Huasteca in
Mexico, + a few from Yucatan.

I enclose three pinrules ~~which~~
which ~~what~~ will show the
hairy surfaces + involucres.

I enclose a short
account of it which
gives references. &c.

Yours very truly

J. C. Eaton.

New Haven Conn
Oct. 14, 1878.

My dear Mr. Davenport.
Dear Sir

By *Notholaena Hookeri*,
(Lectn in Wheeler's Reports - in ed.)

I mean what Hooker calls
N. candida, var. ^{5-fido-helmata} ~~subgeminata~~

I once thought it was
Cheilanthes Borrigiana, Nutt.
+ again
Notholaena exaltata, Liebm.

but now believe it to be
distinct from all these - none
of which ~~but~~ have been found
in our limits.

Some of Cleveland's *P. flexuosa*

I think is good.

It is not always easy
to distinguish between this
& large *P. andromedaeformis*,
but we must do the best we
can.

For *Phlegopteris edmonia*
& *Adiantum cuneatum* - in
Rhode Island - I must wait
till I see them.

A lady here recently
told me of a transparent,
living, air-snake, which
some of her friends had

seen, & which Agassiz
said was a real, but very
rare, serpent.

I always answer such
people politely - but say
I must see the thing
myself, before expressing
any opinion.

Yours very truly

S. L. Eaton.

Daniel C. Eaton,
NEW HAVEN, CONNECTICUT.

Dec. 2. 1878

My dear Mr Davenport.

I am not yet ready to
swear to *Chilanthus elegans*,
& have a good deal of studying
over it to do before I am.

Perhaps *C. Fendleri* may
have to go up, as *C. elegans*
is an older name. Hooker
reunited *C. myriophylla* &
C. elegans in Syn. Fil. but
Fournier separated them
again. I must wait a
while longer about it.

Thanks for the promise
of *P. falcatum*. I will
do what I can with it.

Yours very truly
D. C. Eaton.

New Haven. Jan. 20. 1879

My dear Mr Davenport.

I do not see that I can help you about the exact date of Brauns's *Aspid. remotum*. He seems to have published it as a var. of *A. rigidum* in Doell's Rheinl^{ische} Flora, p. 15 - which was published in 1843. I have not the work. Hooker's remark, "Not having access probably to the German authors, it was considered by Mr. Tuckermann a new species, which he described under the name of *A. discoverer* in the United States, *Aspid. Boothii*", affords no real presumption that Brauns's name is older than 1850. Sir W. J. Hooker always turned a matter very politely, but was liable to get things wrong and first once in a great while.

I have no doubt Tuckermann's name is oldest - as a specific name, and fully as old as Brauns's *A. rigidum*, var. *remotum*. Concerning the identity of the two things you must judge for yourself.

○ enclose a proof of *A. munihum*, var. *nudatum*,

which please return.

Mr. Merrill has *Pol. vulgare* var *Cambricum* in cultivation, & you can easily get it from him.

Your *Woodnia* is most like my *W. scopulina*, but it is sometimes hard to tell the two *Woodnias* apart, when the specimens are either poor or scanty.

Emerton did as well as he could with *Brunna cinnamomea* & *O. Claytoniana* - We can have only 75 plates all told, & will have to put two large species on one plate again & again. The *O. regalis* I don't like very much. I am at a very great disadvantage in not having the artists here - to work under my own eye.

Yours very truly J.E. Ckn.

P.S. I send the *Aspid.* with some notes of mine which Watt published some years ago.

J.E.C.

New Haven Jan. 25. '79

Saturday evening.

My dear Mr Davenport-

I have your two letters of
the 23^d & 24th. & the *Aspid.*
munifolium.

Keep the notes from the
Canadian Naturalist.

I did receive the *P. felcatum*
Thanks. I hope to get some
fine specimens of it next year
from a lady in Oregon.

I first wrote *Aspid. cristatum*.
var. *Floridanum* in H. Mann's
catalogue published in 1859.

Aspid. Floridanum, DC Eaton
in Chapman's Flora. is right,

Chapman had nothing to do
with it.

Hooker's name belongs to
Neptrodium only.

I have no doubt it
is a var. of A. cristatum.

A. spinulosum, var. Boottii, Gray,
Manual. Ed. 2. p. 598 - is
the proper quotation for the
other form you ask about.

You once said you could
lend a good specimen of
Cheilanthes leucopoda
to draw from. I plan
to have it on Plate 44,

& will be ready for it
very soon. Can you
send it to Emerton?

Yours very truly

S. J. Eaton.

think best.

The Californian Aspid. I have
called

Aspid. rigidum. var. argutum

in my Ferns of the South west,
& expect to use the same name
in the Ferns of N. America.

Sorry I can't help you more - but
there are many things - even in
common Polypodiaceae, which I don't
know -

Yours very truly

J. C. Eaton

I got your letter this Tuesday A.M. &
answer it now -

New Haven. Feb. 25. 1879

My dear Mr. Davenport.

It is not possible for me
to completely unravel the
synonymy, & to point out the
distinctions, of the Polypodiaceae
of the pectinatum - taxifolium
group.

Dr. Garber's and Mr. Faxon's
specimens look like distinct
species. The former is certainly
what Hooker & Baker have called
pectinatum - The latter does
not answer exactly to Baker's
character of P. taxifolium.

near to Plumier's figure which

refers to, & which Fee calls
P. taxiphium. L.

Fendler 218. is *P. apiculatum*

Kze. See Hook. Sp. Fil. IV. p. 185.

where Hook. says he would have
little hesitation in calling it
a form of *P. Plumula*.

I think Faxon's plant
fits exactly with the original
P. Plumula in Willdenow. Sp. Pl.
v. p. 178. scales on the
rachis & all. (nothing is
said about the veins) - & between
you - & me - & the post. the
present New Pteridologist is

over careful in looking at
the veins & veinlets of ferns.

So I propose to call

Faxon's fern. *P. Plumula*. H. B. K.
in Willd. Sp. Pl.

- Faxon's

P. pectinatum. L.

Fournier - refers Linnæus'
P. pectinatum to a fern with
goniophlebic venation - &
calls it *P. anisomeron*. Fee.
var. *β. pectinatum*

You can, of course, do in
the matter whatever you

Daniel C. Eaton,
NEW HAVEN, CONNECTICUT.

March 31, 1879

My dear Mr. Savenport.

I would not think of asking you to omit one word from your Catalogue. All I asked was whether you would be pleased if I also said my say about the *Prenis* & the *Adiantum* in the Lorry Club Bulletin.

I enclose a dollar for two copies of the Catalogue, which I shall be very glad to see. I would be glad of *Botr. var. lunarioides* from Mobile.

I am glad you like Mr. Faxon's drawing. I hope

the subscribers to the book
will have no reason to
complain of the change of
artists.

Yours very truly

S. J. Eaton.

New Haven. April 4. 1879

My dear Mr. Davenport.

I owe you many thanks
for your catalogue, which
I have looked through with
great interest. How hard
it is to get the last fern!

I have no *Aspidium juglandi-*
folium from the U.S., and yet
I am sure it has been found.

After what you have said
about *Pellaea brachyptera*
I suppose I shall have to
recognize it as a species, as

I had intended to do before
Moore's name was published.

About the *Adiantum*
cuneatum in Rhode Island—
Have you seen any of it
yourself? and do you
really believe it?

I have written again to
Prof. Gibbs in Charleston
for his "*Pteris Cretica*", & I
hope we shall get it by & by.

Thanks also for the
Botrychium from Mobile.

I have sowed spores of
Aspid. munifolium in a Fern-
Case, & the prothalli are
beginning to form— I shall
watch them with much
interest.

Yours very truly

S. J. Eaton.

P.S. I am working hard to
finish up par 15— & can
think of little else— If I
ever get through this Fern-book
I shall "go a-fishing".

S. J. E.

Daniel C. Eaton,
NEW HAVEN, CONNECTICUT.

April 8. 1879

My dear Mr Deavenport.

Thanks for note of the
escape of *Ad. cuneatum*.

Platyserium alcicorne has got
out in three places in Great Britain.

Thanks also for note of the
Oregon Polybody.

If Dr. Fisher does not
send you an *Ophiog. palmatum*
you shall have one of mine!

I don't know about Dr. Parry-
have heard nothing from him.

Enclosed is photograph.

Excuse haste - please.

Yours faithfully

D. C. Eaton

New Haven

April 22. 1879

My dear Mr Lavenport,

I send you today
by express Capt. Smith's
Ferns, having taken out
only a few specimens for
my own herbarium, none
for exchanges.

About the *Polypodium*s
I have not definitely made
up my mind. They seem
to connect *P. Plumula*, H. B. K.
& *P. pectinatum*, but if I
must say one or the other
I should just now refer them
all to *P. Plumula* - which
Becker calls *P. elastum*.

I have written a few notes
pertaining to this collection for the
Society Club Bulletin, & in them
have mentioned the prolific form
of *A. clementis*. There
were three specimens. I send
you one. one I keep & one
I return by mail to Capt.
Smith. In the one I return to
him the whole pond is pink
& green. The smaller *Asplenium*
I call all *A. Trichomanes*.

Where in California do
you get *Plaris tremula*.

Dr. Gates sent me some
scraps of ferns among algae,
without memoranda, & I sent

them back without memoranda,
but as I recollect them there
was a small pond of what
might be *Pl. tremula*.

If it is true it is most
likely an escape like the
Ad. cuneatum -

Yours very truly

S. E. Eaton

New Haven. Oct. 3. 1879

My dear Mr. Lavenport.

I have two letters from you -
the first I have left at home, and,
as I am writing at the School, I
can only remember that you did
not send me the Polygod. (It came
from Mrs. Rust, I find) - & that some
friend of Mr. Williamson has found
Sceloporus in Tennessee, of
which I am very glad -

The second letter - about the
book for sale in Boston - troubles
me a good deal - I have written
a sharp letter about it to Cassin,
(not using your name - of course)

If I had understood his
character three years ago, as
well as you ^{seem} to understand

it now. I never should have entrusted him with a work of my writing.

But now. I think there is no way for me, other than to finish the book as well and as speedily as I can.

The pay I get for writing is too little to be worth considering; I am writing it mainly to do good in my own branch of science; and that the publisher does not adhere to what you and I would consider sound business principles, is a matter which

I regret very much, but which it may be beyond my power to correct.

As it is the subscribers may complain of him - but if I were to refuse to send on more MS. except on conditions, the result might be that the work would never be completed at all - & then the subscribers would complain of me.

However much I may regret having begun the work - I have now no choice but to complete it.

Yours very truly
Samuel C. Eaton.

New Haven. Oct. 8. 1799

My dear Mr Lavenport,

I have your letter of the
4th inst.

I do not think many
people will hold me responsible
for Mr. Cassino's doings. He
gives me as much trouble as
he does to any one else, and
I have to "grin & bear it".

Thanks for the *Ophioglossum*.

Miss Reynolds has some "from
the Indian river Country".

Your *Aspidium* is an
uncertain thing - perhaps
nearest to some form of *A. numitum*.

I must wait for fuller specimens, & more information, before giving any positive opinion. Who collected it?

" *Adiantum Capillus-Veneris* -

Mts. of Virginia - on banks of
New River. Wayne Co.

Howard Shriver, 1878 "

So my ticket reads - I do not know
whether it has been published or
not.

I sometimes overlook reported
new stations for ferns - & today
find that I had not noticed
the Pennsylvania station of
Aspid. aculeatum - no example
having been sent to me.

Yours very truly,

Daniel C. Eaton.

Thanks!

S.V.R.



WRITE THE ADDRESS ON THIS SIDE - THE MESSAGE ON THE OTHER

Geo. E. Davenport, Esq
8 Hamilton Place.
Boston. Mass.

New Haven. April 3. 1880

My dear Mr. Davenport,

Thanks for your kind
letter of March 31st.

I send you an imperfect
set of proofs of the forms for
the Flora of California; all
I have to spare.

You will see how I
have mentioned *Aspidium*
spinalosum and the
Phlegopteris. I always
distrust specimens which
have been passed about

from one botanist to
another three or four times.

I have entirely completed
my work on the Ferns
of N. America - *Phlegopteris*
calcarata turned up just
in time to be mentioned
the last thing in the
Appendix.

Miss Reynolds sent me
some of her *Asplenium*.

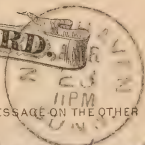
They all run together -

Yours very truly
Samuel C. Eaton.

New Haven. Apr. 23. 1880.

My dear Mr Davenport.

Postal card rec'd. Had already
mailed your MS to Leggett. Think
plant is *Nottholoma* & not *Chilanthus*.
There is an E. Indian *Chilanthus* something
similar. See Syn. Fil. - I forget its name,
& write at P.O. Have also sent my
new copy to Cusins. He will show it
to you - Am glad you are to have
more of it. Yours very truly
J. J. Smith.



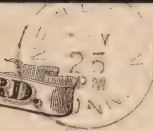
WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER

George E. Davenport, Esq
& Hamilton Place
Boston.
Mass.

RECEIVED
APR 2 1895
NEW YORK

Dr. Palmer is in Cambridge. See
Watson about him & his plants. I
send a list of *Pellaea* aspart.
Chil. microphylla & *C. alabamensis*, &
C. Lindheimeri occur in the coll. from
Texas. - *Anacardium* from Mexico only.
Pellaea flexuosa from both. My "*Pellaea*
andromedifolia var. *pubescens*" is in the
coll. & can not be so named any longer.
I think *Nothol. Greggii* is in it also.
Yours very truly
D. C. E.

May 24



WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

George E. Davenport. Esq.
8 Hamilton Place
Boston
Mass.

1
Copy of letter from Prof. Eaton to
Capt. J. Donnell Smith in regard to the fern
Aspidium Conterminum found by the latter
in Florida, March, 1880, with a copy of
Capt. Smith's description of it under the name
Asp. anceps.

New Haven, May 27. 1880
Capt. J. Donnell Smith,

My Dear Sir;

I have now a reply from Mr
Baker to whom I sent some of the specimens
of your Florida Aspidium, and I enclose a
copy of his letter, together with one of the
pinnae which he sent me. I think it is
exactly like your plant. I can not
separate the A. conterminum of Sp. Fil. into
several species. The presence of resinous
dots is not considered of specific importance
in other ferns - as for instance, in A. unitum,
of which I enclose resinous-dotted pinnae.
The short stipe is variable and the mamillate
gland difficult to see in dried plant.

Fournier gives no character or description
of his A. exandans. - I had space

in the Appendix of my book for only a brief account of your fern, and I referred to it as *Aspid. conterminum*, Willd., but with a ?

No one this side of the ~~water~~ ocean can disentangle the confused synonymy of *A. conterminum* and the forms referred to it. If you ever come here I can show you much that bears upon it, but not everything. I return your description of *A. anceps*, having carefully taken a copy of it, that you may publish it yourself if you decide to do so.

I see you find *A. exsudans* at Washington.

Hornier gives four varieties, a - *genuinum*

b. *majus*

c. *Heeri*

d. *myriocarpum*

& find that he does give a specific character - a very brief one; - "Truncus erectus, frondes firmæ, sub cartilagineæ, nervis "marginatibus, indusio citius evanido" - all which applies well to your fern.

Fendler's 176 is

cited for his var. a, Fendler's 179 is cited for

his var. d. On neither of these do I see resinous dots or acrophore-gland.

Heer's *Aspid. strigosum*, from Canadalupe, coll. by L. Herminier, of which I have an original pond, seems to have both!

I think it is surely your fern!

The reference is

Heer, onzième Mémoire, p. 78, t. XXII, fig. 2. I will copy all he says.

The plant next before it is *A. conterminum*, of which he says; "Elle est voisine de l'espèce suivante."

Heer - Onzième mémoire, p. 78.

Aspidium

γ *strigosum*, Heer. Frondibus pinnato-pinnatifidis lanceolatis, glabris, petiolo laevi; pinnulis oppositis, superioribus alternis, ultimis adnatis, linearibus, caudatis; laminis usque ad apicem fructiferis, basi decrescentibus, segmentibus infimis oblongis; sporotheciis parvulis, indusio membranaceo tenui, glabro, persistente, fusco; sporangiis rotundis, annulo 14-articulato; sporis brevis reniformibus.

Habitat in Canadalupe L. Herminier, 1863.

Filix strigosa, clatè vicilutè luteola; pinnulis
 patulis, apice curvato oblongato, fertili; rhizom-
 -atè erecto, crassissimo, radiculis rectis,
 longis.

Icon. Tab. ~~XXXII~~. fig 2- Reductum cum fragmentis
 " magnit- natur et auctis.

(Dimensions: Longueur totale 1 mètre environ,
 environ; pinnules 8 centim sur 7 à 8 millim de
 largeur; 40 à 45 paires de pinnules)

Le rachis est profondément sillonné.
 Les pinnules de la base des frondes ne sont
 plus représentées que par des appendices in-
 formes. Le port de cette belle espèce est élé-
 gant; elle se rapproche de l'A. Rivieri avec une
 consistance plus ferme des pinnules moins
 écartées et plus nombreuses, des nervilles
 chargées d'un plus grand nombre de sporothè-
 ces qui deviennent confluents.

For this particular form Fée's Name is older
 than Fourniers.

For the other ferns you send me I am
 very thankful. The series of Pol. pectin

- nature is very fine and instructive.

III is hardly "viviparous" - but rather has one pinna enlarged & pinnatifid

IV *Pteris serrulata* - much finer specimens than I had before.

V Exactly *Nephrolepis exaltata*.

VI Thanks for this also

VII Very large for *A. unitum*. But I suppose most collectors take pains to collect as small ponds as they can find, so that botanists who do not travel seldom know how large & fine a plant may be in its native land.

Fée's description differs from your plant in some few items, but the specimen does not - so far as I can see. It lacks the base of the stipe, and the indusium may be a trifle more persistent. Fée's figure shows a very short stipe, and erect rhizome - also some pubescence - which his description denies.

Yours Very Truly

Daniel C. Eaton.

Copy of letter from J. G. Baker

Royal Gardens, Kew,

Herbarium, May 12. 1880.

My Dear Prof. Eaton,

The conterminoid *Aspidium* has come quite safely. Looking through our Mexican and West Indian [ferns] classed under the very broad-stretching conterminum of Species *Filicium* the nearest thing I find to it is Galeotti 6306, cited by Fournier as the type of one of his vars. of *exandans*.

It has the gland at the base of the pinnae, the resinous glands and the hairiness. I will enclose however a couple of pinnae that you may judge for yourself.

Our specimen does not give the base of the stipe.

Another that comes near it is Sieber, Martini-que 241. The type of *Asp. polyphyllum*, Raulf. This is less hairy than yours, with broader segments, & I do not detect a gland at the base of the pinnae.

Under Wright's Cuba 820 we have three different forms. This is the number, as of course you know, on which Kuhn founds his *Asp. rigidulum* (Linnaea XXXVI. 109) citing as a synonym *Aspidium conterminum*, Eaton

7
Fil. Wright, 209. I can no doubt have means to include all the three forms under that name.

Grows very truly,
J. G. Baker.

New Haven, June 3-1880

My Dear Sir,

Thanks for sending me the Mexican ferns.

The typical specimen of *A. exandans* comes very near your fern, is perhaps less rigid, & has the innules slightly different. But it is slightly pilose, resinous-dotted, & has the mamillate gland, & I should not venture to separate it. Var. *myriocarpum* seems to lack the resin. But our own *A. Novboracense* is sometimes resinous - commonly not so.

I should be inclined to refer all these forms to *A. conterminum*, as is done in Synopsis *Filicium* - making of yours a var. to be called either *strigatum*, *exandans* or *resinaceum*. The species as a whole would not be more variable than *Aspid. Filix-mas*, or *A. aculeatum*, or *Asplenium Filix-femina*.

Will you write it all up for Torrey Club Bulletin? or shall I? I have

only a very brief notice in Ferns of N. America,

My story about *A. novboracense* had to do with the rootstock, not the stipe. I have not examined many specimens for the uncipital base of stipe - & indeed this character is not very evident in the dried plant.

Probably the whole caudex has produced stalks, the lower part - perhaps only frondless stalks - like the runners of *Onoclea struthiopteris*.

Many tree-ferns have aerial roots - sometimes as mass an inch thick

Yours very truly

D. C. Eaton.

Dr. Donnell Smith's Description.

Aspidium anceps, n. sp.? Rootstock very stout with the persistent dead stalks, erect, $\frac{1}{2}^{\circ}$ - $1\frac{1}{2}^{\circ}$ long, one fourth to one third above ground; stalks in a terminal crown, 1'-2' long, scabrous, at the base chaffy and for the distance of 6"-12" mediately uncipital with a lobed 1"-2" wide protrusion of cellular tissue; fronds spreading in a circle, thick-membranaceous, glabrescent and dark green above with scattered hairs, paler be-

-neath and sprinkled with yellow resinous atoms, no-hises pubescent, ribs and veins appressed ciliate, lanceolate in outline, acuminate above, attenuately elongated below, 2° - $4\frac{1}{4}^{\circ}$ long, $5'$ - $9'$ broad, pinnate below the pinnatifid prolonged summit; pinnae 35-45 pairs, sessile, bearing a mammaeform gland beneath at their insertion, linear-lanceolate, apex caudate, deeply pinnatifid, lower pairs distant and merely incised and hastate, decrescent to near the caudex; lobes obliquely oblong or obtusely falcate, margin revolute entire or subentire and appressed-ciliate, basal lobes enlarged and hastately divergent with the upper one acutish and the lower one hapzoidally incised and upward produced; veins 7-10 pairs, simple, or the anterior pair forking or platellate in the lower basal lobe and rarely elsewhere, free and distant at the pinus; Pori nearer to the margin than to the midrib, with age confluent in one mass to the lobe; indusium minute, semiobovate with a broad pinus, glanduliferous, evanescent — Fronds all fertile, and fruited throughout excepting the much reduced lower pinnae.

Hab. Abundant throughout a mire, hammock training into Peace Creek near Fort Meade, Polk Co., Florida, March 1880.

The trunk-like caudex, and the palm-like head of

almost stalkless fronds give to this species
some resemblance to the tree ferns.



New Haven. June 11. 1860

My dear Mr. Loomport.

I thank you for the fine specimen of *C. viscida*. Mr. Wright sent me a bunch of living plants April 20th, and I saved one fair herbarium specimen, though not so good as what you send me. He did not give the exact locality.

I hope Mr. Hays will supply the *Aspidium*.

Mr. Baker's opinion is always of value,

but he is no more
infallible than the
rest of us. In naming
Parry + Palmer's
Mexican Terns he
has made a n. sp. of
Chil. Lincolni.
+ Mr Redfield + I
both dissent from some
other of his determin-
ations.

Yours very truly

S. J. Eaton

New Haven.

July 30. 1880

My dear Sir,

Dr. J. Schneck, Mt. Carmel. Ill.,
has just sent me a fine sp. of
Bohr. boreale from Alaska.

Yours very truly

J. V. Eaton.



WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER

George E Davenport Esq
18 Hamilton place
Boston
Mass.

New Haven. May 5. 1841

My dear Mr. Loomis,

I am glad to hear from you again. Your *Chalcidius* *Panichi* is unlike anything I have ever seen. I shall be very glad to have a list of it after you have published the description.

The other form is not in fruit. It looks to me more like *Xantholoma hutchingsi* than anything else, but I would not be willing to give a positive opinion without seeing fruiting branches or the stipe form.

I am very sorry for Goodale's loss, as for yours also;—

My three children are
all living, & reasonably well,
though the youngest has
just now a little attack
of intermittent fever.

Mr. A. H. Farkis has just
found Aspidium triphyllum
in Southern Florida.

Yours sincerely

Samuel C. Eaton.

New Haven. Nov. 17. 1881

My dear Mr. Lavenport.

Your letter & specimens
received.

It is the smallest one
I should place with var.
lobatum of *A. aculeatum*,
& if that goes on the same
outlook with the rest, it would
serve to connect var. serotinum
still more closely with the
lobatum form of *aculeatum*.

I think a full series of
plants would show a gradual
change from proper *aculeatum*
to *retrofractum*, and that no
absolute distinctions can be
found between the neighboring
forms. Yours very truly

E. C. Loomis. (over)

P.S. I return your
specimens by express
on account of all the
written matter with
them as I have an
understanding with the
P.O. people here that they
will not receive any
parcels, & I will not waste
the postal laws.

New Haven. Feb. 7. 1882

My dear Mr. Tavenport.

The doings of Marcus
E. Jones & the rest of them
do not trouble me at all,
- I beg you not to give
yourself any concern about
them.

I have not seen the
February Bulletin.

Rusby has sent me his
Woodrats all mixed up.

I find among them what
I think is *W. mexicana*, with
a very evident lace-like-
tinged indusium - *W. pygmaea*,
with almost no indusium. &
W. Plummerae, which seems
to me only, a very glaucous

form of *H. obtusa*. But I
have no doubt he has sent
one thing to one person & another
thing to another.

I have seen no such
statement about prothallus
as you speak of.

I expect to be in Cambridge
tomorrow evening, & to stop
a few days with Prof. Gray,
& hope I may see you.

Yours very truly

Samuel C. Eaton.

Mr Curtiss' list of localities
is interesting, & would
be worth printing.

Yours very truly
Samuel C. Eaton.

New Haven.

March 10, 1882

My dear Mr. Davenport,

I have received your
letter of yesterday. I do not
see why Mr. Baker, who named
Dr. Garber's ferns should
have thought No. 41 to be new.

I see no difference between
either Garber's or Curtiss'
specimens and a fern
which has been well known
in the Annals for the last
175 years!

Plumier figured it, a fern
with a somewhat undulating
edge to the frond, under the
name of "*Lingua cervina scandens*,
angustis & undosis foliis."
Linnaeus overlooked it.

Swartz named it

Polypodium serpens, which name was accepted by Willdenow, Mettenius, Hooker & Grisebach.

Baker discovered a *P. serpens* of Forster - & so changed the name of this to *P. Swartzii*, under which name you will find a fair description of it in *Synopsis Filicum*.

I have taken two fronds from your specimen, & return the rest, with Gaster's, which I have already.

Pursh's names in the Journal are very unreliable.

This *Nephrodium dentatum*

is probably *Cyrtopteris fragilis*, & his *Asplenium salicifolium* must be *Aspl. angustifolium*.

Both are common about Onondaga.

I thank you for the Pringle specimens of *Chytanthes*.

The queer one from Lemmon seemed new to me, but I would not name it without seeing better specimens. Your name of *C. villosa* will do very well, but I shall not use the name till you publish it.

New Haven. Conn

March 25. 1892

My dear Mr. Savenkov.

Many thanks for the specimens so kindly sent. They helped me to make out my sets very nicely.

I will send you something in return before long -

Let me now return the hostage.

If you really desire it I will announce the Polypod. Savatzii - But I make it an invariable rule to give every body else fair-play, and to avoid selfishness, as far as human nature will permit

I have two or three other items to report - new stations for unexpected forms -

Will you get for me a copy of Marcus & Jones pamphlet & a specimen of this

A. notivirides var scopulinum?

I can not ask him myself, because I once refused to name a lot of composite for him, & so vexed him.

I will pay all expenses -

Thanks for the Pteris -

Moore describes a var crispa of Wollaston, which must be pretty near this form.

Baker never studied the

venation of ferns with any carefulness, & seldom describes venation accurately.

The *Ophioglossum* may be *O. vulpatum*, may be something else - we must wait for grown specimens.

Very truly yours

Samuel C. Eaton.

New Haven. Nov. 7. 1882

My dear Sir. I beg your pardon for having
so long detained the copy of Jones' pamphlet,
and I thank you for that copy you now
send me. I had entirely forgotten about
it. I do not ~~know~~ anything of Woodson
husilla, Fournier, never heard of it before. It
is not in his *Tems of "Mex. plant. pars prima"*.

Yours truly

Daniel C. Eaton



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

George L. Davenport, Esq.
& Hamilton place.
Boston.
Mass.

This, published in 1824, antedated Presl
by six years, & so I should write
Cheilanthes scariosa, Kaulf. (Enum. Fil. p. 216)

If *Ch. elegans*, *myriophylla* & *scariosa* should
all be put together, I should choose
the name *C. myriophylla*. There is a
school of naturalists who would choose
the oldest specific name - in this case
scariosa - I am not of that school, neither
is Dr. Gray, nor ~~Dr.~~ Joseph Hooker. Mr
Baker is of that school, as his *Davallia*
Speluncæ may be cited to show.
For the law read Gray. Text Book. ed. 5.
pages 355-356, especially Dr. Benthams
note given on h. 356.

I advise you not to meddle with
C. scariosa, as there is yet no
satisfactory evidence that it has
been found north of Peru -
Please tell me whether to keep or return your
nos. 3, 4, & 5. My hand has been very lame
the last two weeks & I write with considerable
difficulty - I fell on an icy walk & hurt my
hand - Yours very truly J. Eaton

New Haven, Conn.

Feb. 13. 1865

My dear Mr. Davenport;

I thank you for the
Ferns you send me, and especially
for your photograph.

Ch. Pringlei is very distinct, having
the habit of *Ch. Californica* &
my *Ch. encipolia*, but with a
scaly pond & herbaceous involucre.

It is a long time since I
have looked particularly at
the species of *Cheilanthes* of the
section *Myriophylla*, and my
judgement now would not be
worth much.

My Peruvian specimens of
Ch. scariosa have the scales
regularly ciliated & composed
of straightish cellules. Your plant
(no 3.) has less regularly ciliated
scales ~~with~~ which are composed

zig-zag & angular cellules. I should hesitate at placing them together.

The "*Ch. lanuginosa*, var *fibrillosa*" is much less lanuginous than this type, & seems to connect it with your *Ch. Parishii*

4 & 5 I should put in among the forms of what I have called *C. myriophylla* - I do not like to make distinctions so fine that no one will ever recognize them -

As to a question of priority between the names *elegans* & *myriophylla* I have to say that if both names were published simultaneously by Desvaux neither could claim precedence over the other, & the fact that one was on page 43 & the other on page 44 would not give 43 any precedence over the other. If both are united then the name chosen by the author who first united them would stand

as against the others.

This was done by Hooker in first edition of *Syn. Fil.* - & we ought to abide by his choice -

In Berlin Mag. (which I have) 1811, p. 328,

C. elegans immediately precedes *C. myriophylla* - But I still think that Hooker having chosen the second name, we can not now go back to the first:


Matthew's work on *Andes* of Peru I have not. Presl. Reliq. Haenke, p. 65. has *Ch. scariosa*, Presl.

the date being 1830. I have no means of getting at the exact date of Matthews' work. He died in Peru 24 Nov. 1841.

Hooker published for him the genus *Matthewia* (*Cricifera*) in 1833.

Kunze, in 1840, rejected the name *Cheil. primosa*, Matthews M.S. as being antedated by *Ch. primosa*, Klfs. Kaulfuss published in 1824. This brings the date of any publication by Matthews somewhere between 1824 & 1841, very much later than Swartz & Willdenow.

Kaulfuss died in 1830. At p. 216 of his *Enumeratio* he says; - "*Acrostichum scariosum*, Swartz, a Willdenowio vitiose descriptum, *Ch. tentigerum* hanc absumit, huic generi [*Cheilanthes*] inferendum puto."

1. The common northern form.
2. The slender Californian form.
3. a long green Cal. & Oregon form,
var. Sibirica & Kinder
4. var. mutica. DCL. M.S. with
blunt leaves, from Colorado.
5. var. tortipila, from East Tennessee.
+ perhaps others - They require very
careful study. This # 141 is
between nos. 1 & 2 above -
450. Psilotum — The two species
are sometimes confusing - Kuntze says
an absolute distinction is yet to be
found. Your plant has the above
oval in section  & so I suppose
it to be referred to Ps. complanatum.
Hooker - J. Nuttallii - as nearly as
I can tell at night - (It is 10 P.M. Saturday)
The leaves very slender, velum complete,
macrospores with minute raised points -
Marsilia macrospora, Al. Braun -
(I wish you could get me some good
specimens of it - I have very little)
3. Azolla Caroliniana.
This ends the list -
Yours very truly, Daniel C. Eaton

Notes on Mr. Davenport's Ferns.
Dec. 1885.

443. Pol. thyssanolepis, Al. Br.
466. Notholena Aschenborniana, Klotzsch.
462. N. ferruginea, Hook.
- N. Hookeri, Eaton
452. N. Californica, Eaton in Bulletin
of Torr. Bot. Club. N. Y. p. 27.

I think you once wrote me that Mr.
Baker said this was Liebmann's N. cretacea.
I have never seen any authentic N.
cretacea, and would not be willing
to acknowledge the identity till I
had seen it.

451. N. nivea, Desv.
a form with small segments.
- 452 ^B This is identical with
Palmer's 1389, but being much
younger as to the fronds, preserves
the white ceraceous powder on both
surfaces, which had fallen off in
Palmer's plant. I do not know what
to call it. Palmer's 991 has the
fronds narrowed at the base, & so
differs from these. Mr Baker noted

in MS. that 991 was a n. sp. &
he called it *N. Palmeri*. But as it
was his species I left it to him
to publish it.

I have no authentic *N. chilensis*.
but Baker said that 1383 was not
N. chilensis. I leave it for you to
do what you please with these things.

— *Adiantum Capillus Veneris*, L.

456. *Ad. tricholepis*, Fée.

446. *Pellaea hornifolia*, Link.

448. *P. cordata*, Fée.

typical form

447. *P. aspera*, Baker

449 & 449 1/2 *Cheilanthes microphylla*, Gr.

They do approach *Ch. Albamensis*,
but are more cheffy than the
Albama & *Tennessee* plants.

445. *Cheilanthes Wrightii*, Hooker

— *Ch. leucopoda*, Link

I am glad to have such fine specimens

457. *Ch. viscosa*, Link.

— *Ch. Lindheimeri*, Hook

— *Ch. microphylla*, Gr.

444. *Asplenium*— I do not see
how you can make anything but
A. Trichomanes out of this. One
can find plenty of specimens with
oblong pinnae. The radicaunt
apex is something new. I have
a form from Chiclas which is
proliferous from the axils on both
sides about 2 inches below the
apex. But a good many *Asplenium*
have the apex sometimes radicaunt,
as *A. Brasilense*, *A. rhizophyllum*,
& others are variously proliferous.

If you call it a var. of *Trichomanes*,
& give it some suitable name, it will
do very well.

1. *Lycopodium alpinum*, L.

16. *Selaginella apur.* Spring

14. *S. rupestris*.

This is a slender form. I have
never separated all my specimens
into the several varieties. We have
three or four varieties in the U. S.

H
New Haven, Conn.

Jan. 28, 1887

My dear Mr. Savenport.

I have not had time
to look at your things
till today.

The *Marsilea* seems to be
M. Mexicana, A. Braun, which
is scarcely distinguishable
from small forms of *M. vestita*.

The *Polypodium* is the same
as the smaller specimens
of Parry & Palmer's # 975.

P. lanceolatum, L. perhaps
rather more densely scaly.

The *Cheilanthes* has a
notstock unlike what I

have seen in *C. lanuginosa* -
but I can see no good
distinction in the fronds.

Thanks for the specimens -

Yours very truly.

Daniel C. Eaton.

New Haven. Apr. 17. 1887

My dear Mr. Davenport.

Yours of 16th rec'd.

I have not seen Seemann's 1934.

Steffner's 937 (in Gray's herbar.) is our *Ch. Lindheimeri* - a species founded on *Lindheimeri* 744, which is in Gray's herb. also.

I copy Lee's account of his *Megynoptera Chelogyphys*. He says the hirsutules are very glabrous beneath (en dessous) & then that the sporangia are buried in thick wool! This seems to me self-contradictory. Perhaps his "en dessous" is a misprint for "en dessus", which would mean above - but in either case it would not fit with *Ch. Lindheimeri*. His length of the frond - 11-13 centimetres equals $4\frac{1}{2}$ to $5\frac{1}{4}$ inches - a very small fern.

I think you might safely afford to neglect what Baker wrote you, & decide the matter for yourself.

Yours very truly

Sturmiel C. Eaton

Fe'e.

8me Mémoire sur la famille
des Fougères. [1854-1857]

P. 77.

Myriopteris

1. *M. Cheiloglyphys*. F. - La Myrioptéride
à marges épaisses.

Frondes bipinnées, épaisses, à rhizome
rampant, couvert d'écailles serrées; à
pétiole et à rachis robustes, revêtus de poils
cloisonnés; frondules globuleuses, à nervilles
en relief et à marges renflées, très-glabres
en dessous; sporothèces plongés dans
une laine épaisse.

Mexique, Orizaba, à 2500 mètres d'altitude.
(W. Schaffner, n° 91.)

Dimensions: longueur, 10-15 centimètres; pinnules,
11-13 millim.)

Cette jolie espèce, l'une des plus petites
du genre, a des lobules arrondis, présentant
des marges épaisses, sur lesquelles les
nervilles laissent une impression très-
marquée, qui leur donne une apparence
réticulée; ces lobules devenus fertiles, sont à peu
près globuleux. Le rhizome, gros comme une plume de
hiéron, est recouvert de squamules fortement imbri-
quées, et traversée par un seul faisceau vascu-
laire cylindrique."

New Haven. Jan. 3. 1888

My dear Mr. Davenport.

Bringle's no. 1444. seems a little more finely cut than most specimens of *Asplenium pumilum*, and in this respect varies towards *A. montanum* & *A. Adiantum-nigrum*. But I do not know of any American fern other than *A. pumilum* to which to refer it.

1440. *Notholaena Palmeri*. yes.

1441. *N. candida*. yes. pinnae more than usually lobed - as you observed.

1443. *Pellaea Seemannii* - This is where I should place it - but it is more compound than Hooker's original plant. This is the same as Palmer's 732 of 1886.

1445. This you call *Aspidium athyroides* H. & G.

I have no specimen to compare it with, but it seems to agree well enough with Hooker's description of his *N. sphaerocarpon*. It does not look much like Galeotti's figure, though it must be said that his figures are very poor.

1446. *Gymnogramme leptophylla*.

yes. seedlings, just coming
into fruit.

1179. This you call *Phegopteris nptensis*.

It you will look at it again I think
you will see that the sori are
elongated - To me it comes
nearest to *Gymnogramme pilosa*,
M. & G. It is smaller than their
figure (Pl. & Fig 1), but otherwise
is enough like it. M. & G. say nothing
about the texture. This frond is thinner
than that of *G. diplazoides*, to which
Hooker compares *G. pilosa*.

Thanks for your kind wishes.

We have all been more or less
out of health, but seem to be
gaining now.

I have heard nothing from
Cambridge for a week - I suppose
they would let me know if Dr. Gray
showed any improvement.

Yours very truly

J. L. Eaton.

New Haven, Conn.

Jan. 17, 1888.

My dear Mr. Davenport.

I have your letter of yesterday. I am sorry that I can tell you nothing about Seemann's 1934, beyond the reference to Seemann's Botany of the Herald, where no. 666 reads thus:—

"666. MYRIOPTERIS Lindheimeri, J. Sm. - Cheilanthes Lindheimeri, Hook. Sp. Fil. vol. ii. p. 101. t. 107 A.
Sierra Madre (n. 1934)."

I can not give you the no. of the page, as my copy consists of the Ferns only, & is paged separately - this is on p. 4. of my copy.

You will find Botany of H. M. S. Herald at Cambridge.

I know of no other reference to this n. 1934, & I have never seen a specimen of it.

Whether 1934 is *Ch. Lindheimeri*
or *M. cheiloglyphis*, or both, or
neither I do not know - but I
do not think Pringles 827 can
go with *Ch. Lindheimeri*.

Yours very truly

Daniel C. Eaton.

New Haven. June 16. 1886

My dear Mr Davenport.

I thank you for
the *Notledaena* and the
Marsilia.

The books I must
return to you, as I have
not time to make a
thorough study of them,
and of course do not know
them at right. It would
take me several days to
form an opinion in regard
to them, & even then I might
be wrong. Yours very truly
Daniel C. Eaton
(over)

P. S.

In the preface to Kuhn's publication
of Mettenius' new ferns. in
Linnaea xxxv. p. 385. he says
the ferns are described in the
manuscripts of Mettenius.

It is therefore useless to
look for any other original
than the publication in
Linnaea. In fact that
is the original.

New Haven, March 1. 1889

My dear Mr Davenport

The ferns you sent me
are received -

No. 1833 is manifestly the same
as Palmer's 405, which I
called *A. lirsuta* -

Mr. Baker's *A. affinis* I have
never seen, but from his description,
& from the fact that he puts it
next to *A. Bregeana* I think
it must have the pinnæ not lobed.

No. 2028. *Asplenium pumilum*,
but not Feér var. *hymenophyloides*,
which he says is Algerian.

No. 14144. I should say was not
A. pumilum - but consists of
very dwarf plants of *A. Mexicanum* No 9,
now referred to *A. fragrans* - Possibly
it is a hybrid between the two.

No. 1837. This comes about midway
between *A. Trichomanes* var. *incision*
& *A. formosum* - I think you would
be justified in calling it a n. sp.
It is as good a sp. as many now in the books.

no. 1844, I think you can safely
call *Ph. rudis*. Sometimes
distinctly, say the lower brimae
are abbreviated. Your pleura
is rather smooth - but that is
no great matter.

no. 1982. I do not see why this
is not Lee's *Phaneroplectia nobilis*,
which Mr. Baker refers to
A. juglandifolium. Your
bit of notochord is no more exceeding
than that of *Aspid. spinulosum*.

no. 2831 I have no specimens
of *Pellaea Skimneri*, but should
think this might well be
a form of it. It certainly
must go in the same genus
& section with *Pellaea Seemanni*.

When you write to
Mr. Pimble will you
ask him if I can have

a set of his ferns. I can
not afford to take a set
of the *Phaenogam*s - but
would be very glad to
get the ferns.

Yours very truly
Daniel C. Eaton

March 13. 1890

My dear Mr. Davenport.

I have received from Mr. Pringle a good set of his ferns of 1889. The specimens of the white-powdered *Notholaena* are much larger than the one you sent me; and I now think you are quite right in calling it distinct from *N. Lemmonii*.

Besides the points you speak of I notice that in this plant the edges of the leaves are slightly recurved - indicating a nearer approach to *Cheilanthes* than in *N. Lemmonii*. But I do not find anything like it in *Cheilanthes* (& *Heteropteris*) either. You have a fine new fern here.

Yours very truly

David C. Eaton

South Lyme, Conn.

Aug. 24, 1890

My dear Mr. Davenport.

The address you ask
for is Townsend S. Brandegee
California Acad. of Sciences,
San Francisco
California.

I wish you could get a
bit of Prof. Porter's newly
reported Asplenium fontanum,
& see what it really is. I
can not ask for it, nor do
I wish to have you mention
my name in the matter.

Glad Pringle is doing well.

Yours very truly

Samuel C. Eaton

New Haven. Jan 13. 1891

My dear Mr Davenport.

I send your letter of the
12th, & the specimens.

The *Polypodium* "bifidum"
is the same as Brönnberg's no.
9 from Wartenberg, a bit of which
I send you. This I called *P.*
lycopodioides, & I see that Fournier
has done the same. The few
bifid fronds should be regarded
as a sport, of no more signifi-
cance than the bifid fronds one
sometimes sees in *Camptosorus*
or in many common ferns.

The *Polypodium* with the large
sori I should call *P. lanceolatum*
without hesitation. The only
other thing it might be is

P. percussum, & that has
the sori in pockets, & pinnier
venation.

I do not think there is
any *P. elongatum*. Swartz
had a *Grammitis elongata*,
which Mettenius called
Polypodium elongatum.

The other *Polypodium* is
P. purpuraceum, Schlecht. which
I have from five collectors - viz.

Bourgeau, 1439

Gleichenbreght. 312

C. Mohr. 31

Palmer (1878-9) 1155

Farlow - (May 1855)

Hooker has not placed it
near *lepidophrys* to - as it
seems to have veins always free.

In the *Anemia* I see
nothing strange. I have
one with the lower pinnae
cut into 5 segments on each
side, & another with the
lower pinnae or one lower
pinna bipinnatifid.

I return the specimens
as you request.

Yours very truly

Daniel F. Eaton

New Haven. Jan. 17, 1891

My dear Mr. Davenport.

I think the *Pteris* is a sport of *P. longifolia*, but so peculiar that you might give a name & description to it. *Hieracoglossa* #385, from Chiapas is cheffy in the same way - Even in yours those of the lower pinnae which are simple are shorter than the middle ones.

Yours very truly

Samuel C. Eaton.

The weather is so bad that I can't mail the fern to you till Monday,

New Haven Feb. 24. 1892

My dear Mr Davenport:

I have spent the evening
over your ferns, & can not be
sure of any of those you ask me
about.

The Polypodium I think must be
new.

X- The Aspidium seems to come
near to Aspidium amplum, but
not near enough to call it by that
name.

3957^B I suppose it is an Aspidium,
in which the initials have failed,
as they sometimes do. A. falculatum
seems the nearest to it.

3957^A may be a different condition
of the same thing - We get
these large plants in single
fronds, & have no opportunity
of judging how much one fern
may vary. It is the same

way with the *Diplazium*s. One
can not tell what specific limitations
are from the specimens sent us.

For the specimens you present
to me I thank you. they are
very good specimens.

I do not know anything
about Mr. Baker's new volume.

Neither did I know that Baker
had revised *Ophioglossum*.

I think you might find out by
looking through several volumes
of "Jahrsbericht". Also the Journal
of Botany - Trimen's, is it not.

Farrow wrote me yesterday
that there was a slight improve-
ment in Dr. Watson's case - but for
all that he must be very low.

I am sorry to have to write
you so disappointing a letter.

Yours very truly

Daniel C. Eaton

New Haven, Conn.

Nov. 18, 1892

My dear Mr. Davenport.

While I do not think it is right to hold the botanists of 75 to 100 years ago up to the present law of conserving the oldest specific name when they transferred a species to some other genus, it is right to hold modern botanists to this rule, unless there is some grave fault in the name, or some fraud in the publication. Especially is this so with those American botanists who recognize "the iron-clad law of priority." The fern in question, as a species has these names.

Aleuritopteris Schaffneri, Fournier, 1880.

Notholaena Nealleyi, Seaton, June. 1890.

Since you & Mr. Underwood (& most fern-botanists) consider *Aleuritopteris* to be partly a § of *Cheilanthes* & partly a § of *Notholaena*, it is right for either of you to transfer the species to the proper genus. In Garden & Forest you published Mr Underwood's transfer. The name then, by the usual rules, becomes *Notholaena Schaffneri* (Fournier) Underwood.

The addition "var. *Mexicana*" is

Yours - and the whole name for the
rev is

Notholaena Schaffneri (Turn.) Underw.
var. *Mexicana*, Lav.

I see no chance of disputing
this conclusion by any one who
recognizes "the laws of priority".
Laws, for which, by the way,
in some of their applications I
have only contempt

Yours very truly,

Daniel C. Eaton.

P.S. May I send you for report
& publication some ferns from Newbury,
Mass. coll. by Reynal Dodge, a probable
hybrid of *A. marginale* x *cristatum*?

I should leaving naming & all to
you -

D.C.E.

New Haven, Conn.

Nov. 25, 1892

My dear Mr. Davenport.

I send the forms by express, with tickets merely to show what I think they are.

I enclose Reynal Dodge's letters. I have written him that I send you the specimens, and that you "will give them a more thorough study than I should have time for" I have kept a set for myself.

There is already a Nephrodium Ecioria of Hooker - so you can't name the thing for me. If you choose to gratify Mr. Dodge you will please him greatly, & be more complaisant than I should be - for I think these compliments are far too common,

& that they should be reserved
for botanists of some distinction.
all the *Smithii*, *Brownii*, *Jonesii*
Robinsonii, *Hoggii*, *Pipii*. etc. etc.
heartily disgust me, and I will
have no more of them published
under my authority.

But you are at free to
do what you will with
these forms as you would be
had you found them in your
own Meadford woods.

Yours, very truly

Samuel C. Eaton

New Haven. Dec. 9. 1892

My dear Mr Davenport.

There are several ways
of writing the names of hybrids.
Engelmann, in a paper on oaks
write, *Q. falcato-cinerea*
Q. imbricaria-nigra, etc.
Watson, in Gray's Manual 6th edition,
write *Q. alba x macrocarpa*
Q. Phellos x nigra - etc.

You will find a review of the
subject in Gray's Structural Botany,
but, as I have not a copy by me,
I can not refer you to the page,
nor do I remember exactly what
Gray's conclusions were.

Neither do I remember which
parent-name should come first

If you follow Engelmann you would
write either { *A. marginalis-cristatum*
A. cristato-marginalis

If you follow Watson, you would write
either { *A. marginale* x *cristatum*
 { or *A. cristatum* x *marginale*.

But you would do best to
read Gray's essay, & follow
his advice, whatever it is.

Yours very truly

Daniel F. Eaton

New Haven. March 3. 1893

My dear Mr Davenport.

I think the Polypodium
is *P. pilosissimum* - M. & G.

In Lym. Fil. Ed. 1. p. 332. No. 177. *P.*
ferugineum M. & B. is referred to *P.*
taxifolium. I have not seen
Liebmann's specimen, but in Fournier's
Account of Mexican Ferns it is referred
to var *γ. minus* of *P. nigrescens* Bory, a
name he prefers to *P. pilosissimum*.
What Hooker & Baker consider *B. nigrescens* is
quite a different thing.

The *Asplenium* I can not match,
& I do not see anything like it referred
to by Fournier. I think it will do
for you to call it new, & to give it a
name. Thanks for the specimens.

Yours very Truly

Daniel C. Eaton

New Haven. Sept. 17. 1894

My dear Mr. Davenport.

I thank you for your fine series of specimens of your new fern, which I have just been looking over with pleasure. I think your choice of a name is very good.

I have read your MS carefully, but must say that I do not see the use of making so long a story of it. You can not convince Britton, Underwood & Co., and the former is bright enough to make some pretty severe criticisms of your argument.

I should have contented myself with saying that as Swartz was the first writer to reduce fern-genera to any kind of order, it seems reasonable to keep his names & not try to find earlier names given

by people who knew very little
of the subject. Swartz first used the
name *Aspidium* for the whole genus,
nearly as we now understand it,
& I am content to follow him.

Persons who prefer to divide
Aspidium into two genera may
use either *Nephrodium*, *Eryopteris*
or *Lastrea* for the *Aspidia* with
reniform indusia, and for such
persons you can provide the
names of

Nephrodium simulatum
Eryopteris simulata
+ *Lastrea simulata* -

Simply add them as synonyms
under your chosen name, "provided"
for the use of persons who reject *Aspidium*."

If you print your essay
you will get into a disagreeable
quarrel with somebody or other.

I think it more dignified to simply
say that you do not recognize
the authority of the makers of
the Rochester or Madison codes, and
refuse to be bound by them -

However - you will do just
as you please about it.

I think the New Haven "*crinitatum*, var"
must be from a plant I found in October 1855
near our Serpentine quarry - I remember
being puzzled with it, & thinking that
it looked a little like *D. Filix-mas*.
Do you consider it the same as your
hybrid *crinitatum* x *marginale*?

I think the station has been flooded
now for many years; but possibly the
same form might still be found in
the vicinity.

Yours very truly
Daniel C. Eaton.

New Haven. March 5. 1886

My dear Mr. Davenport.

You had not tied up
your package quite carefully
enough, & it came to me with
the string displaced & the ferns
ready to drop out.

The Hemionitis I can not find
described anywhere, & think
it is a good new species.

The Pellaea is the same as
Palmer's #543 of the year 1886,
which I doubtfully referred to
P. cordata in Proc. Am. Acad. ~~XXII~~. p. 463.
But it now looks like a good
& independent species.

The Notholaena I can find
nothing in to separate it from
N. Lemmonii, nor do I see
anything in the Cheilanthes
but good C. tomentosa.

I will ask Pringle if he can
share me a set of the ferns -
If so I can decline your
very kind offer to share
your set with me -

I have been pretty well
this winter, & am sorry you
are not able to see the
same for yourself.

I return the ferns.

Yours very truly

Daniel C. Eaton

With renewed thanks
for your sympathy,
I am

yours sincerely
Caroline K. Eaton.

Mr. George E. Davenport,
Dear Sir,

I was much inter-
ested in the article
you sent me, and
thank you for the very
kindly sentiments which
my husband expressed
in that and in your
kind letter.

The only error I find
in the sketch is the
pretty legend about the
young lady and the
fern. It certainly was
not I, as I was then
a little child, and
did not make my
husband's acquaintance
until he was Professor
of Botany in Yale

University.

You must have
taken great pains in
preparing the article -
It has only such a
slight error in it.

I regret to hear
that you have not
been well and hope
that by this time
you will have recovered.

26
Watrick Jan 25 1873

Mr G E Davenport

Thanks for the Aspl var
Surrection, I am glad to add
it to my collection. I have
never seen it about any
of my Searchings for ferns.
If I ever get out another list
as I hope to that I may correct
several errors. I will insert it
and credit it to you. and another
Season I should like more of it.

I wish I had more of the ferns
you ask for but will remember
you when I receive more. I sent
you a phyl yesterday, contains
several vars. we all like a stock
of duplicates, as I have just had

quite a supply of *Wattson*
ferns I share some of them
with you. My *Aspl cristata*
is far from the perfect ones
which were forked with 5 to 7 lobes
at the end of each pinna. You can
see a photograph of a fertile &
sterile frond at the ~~Herbarium~~
Library. And ^{a spec} ~~one~~ in Prof Gray's
Collection. The fronds were all
crested the same as the spec
sent at the spec. I hope this summer
to get new spec. I think I have
Woodsea glabella somewhere among
my duplicates but could not find
it. Think Mr E H ~~Hitchings~~
^{Proctor} Chambers ~~St.~~ could give you *Oncola*
var obtusilobata. I have but single
spec of *Trichomanes radicans* and
Aspl myriophyllum and those I got
within a week. The last named had
been in the hands of a Miss Smith
a collector in Watthan for several

years, was collected in Fla. I obtained it
by giving her half a doz new varieties to
her. I have now about 100 pairs of American
ferns. which I should be pleased to
show you at my store.

Truly Yours
Wm Edwards

J. Kautsk Sept 12 1873

Mr Geo E Davenport

Dear Sir

Thanks for remembering me. I hope the enclosed *P. Phyllitidis* & *Woodwardia radicans* will prove acceptable. You have no duplicates that I am in want of, but if you will part with *Ophioglossum bulbosum* I will give you in *Ex. Asplen. septentrionale*, and *Pteris longifolia*. I am expecting this fall a stock of California ferns, also more from Fla. and may have duplicates. Glad to know that you keep up your interest in collecting.

ting ferns. hope to call on
you soon

Truly Yours

W^m Edwards

I mail with this a pkg
containing ferns & Catalogues

I Natick Jan 6 1874

Mr J E Davenport

I recd your pkg of ferns
and return many thanks,
The spec were very fine
and gives me some good
duplicates, besides filling up
my own Collⁿ.

Having recd. a pkg from
Ill. I enclose a few which
may please you. as duplicates
I shall be in Boston tomorrow
and if I have time, shall
deliver these

Y^r
Crdly yours

P S

J M Edwards

The Pellaea ~~Barclayi~~^{Barclayi}, Cheilanthes gracillima
were from H & Bolander Col. the Woodwardia
Hyperborea. Hab Lake Superior. Ligt Mr Macoon

11
I Natick Mch 14 1874
G E Davenport
Dear Sir

I should have called upon you
a few days ago when in the
city had I time. I am glad
to know that you have been
successful in getting ferns
from California. & if you will
hold them till I am again in
B I will call for them from
your room. I am preparing
for a new picture next fall
by getting hold of all the small
vars possible. Received from
our friend Mr Hitching, last
week, one small spec of *Chelidonium*
Californicum. Should like another
for my herb. I also recd from
Prof Eaton - *Cystopteris montanum*

a most beautiful little fern
and *Asplenium Bradlei*.

I will give you a single frond of the
last named if you haven't it
I recd a third order to day
from Miss Haskell ofassar College
for my fern picture making 12
in all. She is an Enthusiast
over ferns, and says in her note

"I think them very valuable as
a study and they supply to my
student the new & scarce rare ones
many of which it is almost imp-
ossible to obtain I wish each one
might have a copy they are also
very attractive"

I have had no answer from
my ^{no} Gla man yet. am looking
every day for it. I recd a letter
from Mrs Roy a few days ago
who is in great want of Mosses
& lichens & fungi. I shall make

Some Exchanges with her in that
line, and in ferns

Why dont you take hold of the
Mosses? they are fully as interesting
as the ferns, and now there
is so few that are interested
in them. by & by when this fern
fever has had it run, the lovers
of them will not remain idle
but will switch off on the lichens
& Mosses, and if you begin now
you will perhaps get a good start
and take the lead - try it & you
will not be sorry.

The Alga too would give you
a world of pleasure, there is nothing
more beautiful when well
mounted.

Yours Truly

Wm Edwards

I Salick April 8 1874

Mr J E Davenport

Dear Sir

You are very
kind & liberal to thus
remember me in your
success. I am very glad
to get your drawings which
are remarkably good.

I have done the best I could
in sending you a few bars
of ferns viz

No 1 *Blechnum serrulatum* -

Coll by H L Babcock in S America ¹⁸⁷³

No 2 two pinnales of *Acerosheekum*
aurinum. No 3 (Not S American)

Polypodium lineatum - I send this
to show the beautiful vening -

504 *Xephrodipus spatulata*
all three from the same source.
I had promised a pinule of
Acrostichum aurum to Mr
Hitchings, and you may
take your choice and give
the other to him. possibly
I have sent him one if so you
keep both. I cannot take
any more from my already
skilitor of a ground. Now
I radicans is the best print
of any of the American ones
that I have ever seen.

and I thank you a thousand
times for it. I shall very soon
get out a new photograph, as
I have already orders ahead.
I saw an Engraver the day
I saw you, about engraving
a large picture of ferns
with some 75 vars. it
would not cost much more

to have them engraved for
a book. Can't we fern lovers
form a club and publish
a fern book? I presume Prof
Eaton would either assist us
or join the club -

I hope to see you soon
and talk over matters

I Enclose a letter from
the Widow of the fern
Collector in Florida.
What had I better do with
her about collecting,

In haste

Truly Yours
J. M. Edwards

S. Stetick Nov 11 1874

Mr G E Davenport

Dear Sir

You are very
successful in collecting rare
ferns and very liberal and
kind to offer to help in
filling up my Catalogue

If you ^{have} any checked in this
Catalogue to spare and will
risk getting a return for
them rare ones I should be
most happy to receive them

I have recd so many calls
for another edition of fern pictures
that I shall get one out for
Christmas with 50 or more pairs.

and small perfect fronds
of any of the *Chilanthis* or
rare ferns would be very accept-
able. I should like a fringed
frond of *Chelone Adiantum chilense*.

I shall commence to make the
negative next Monday. Prof
Eaton has given me *Asplen.*
Bradleyi and a beautiful frond
of *Cystopteris montana* for it.

Have you ever seen Mr
Merrills (400 Broadway Cambridge)
Noto sinate, if so is it
true to the name? It is one
of the most beautiful of
American ferns, if this is it,
and you can get a spec of
him. I was at his house
last week and was delighted
with his collection of
American ferns which he
is cultivating.

I had the good fortune
to receive 120 var of
African ferns last month
many in duplicates, and will
repay you in those if
you care for them.

Truly Yours
Wm. Edwards

After months ago I can
be sure of your own the
Lancashire. They came
in a small (which take off half
their value), and as they were
of them were very unlike
any of my Indian or African
ones. I could name but a few
of them. One *Ophioglossum*
struck me as a very curious form
in having a pair of fronds. And
when the Bot. Bulletin came
the other day describing the
palmetto. I remembered this
and thought how the name from
Bot. however from it. I send
it with you in the paper. The
palmetto fern seems to grow
from the same place. It is
attached to it with a common
in the fruit.

I am sure to submit a new
Catalogue of 4th ed. I am, my dear friend,

Yours for one month since
cannot be sure of the full name
And any error in my list, the
you know of these notes.

Very Yours
J. E. Smith

Many thanks for the rare
ferns. They came safely
and are very fine. I feel
I was disappointed in
the *Ophioglossum* fronds
to be smaller. I did
not know how it got from
your part of the world
and in different cases
you shall have the first
chance. I am very
happy to hear that
the Bot. First Measure
is most of the work done
for me. We have
outgrown our rooms
and getting larger
and are so pleased to hear
from you. Very
Yours for the ferns

[illegible]

as it really is, & you are
 I shall not be long & I shall
 with me, & I shall be
 then you will be able to
 understand me better, although
 some of the things I say
 are not very good.
 The last day, I was very tired
 and I was not very happy
 I want to say to you, I hope
 He writes that he hopes to
 be in a book in American
 form. When I hope to see
 him some time, I shall be
 there. I shall be there, but I shall be
 was the only person that I could find
 to exchange with, and when I published
 my first Catalogue of ^{insects} I had
 wrote that she had never seen
 of one half of them. Since then
 they think what an excellent
 in the whole botanical world
 I hope you will be able to

Com. Ladu (fern leaves) from
W Newton told me today that
J Robinson was going out a week
on N American ferns. is it
true?

I Natick Feb. 29 1876

My Dear Mr Davenport

My new Catalogue is ready for
the printer. have sent it to Prof Eaton
and he has corrected it. He crossed
var spectabilis. said he knew nothing
of *A Filix-foemina var cristata*
but did not cross it. hadnt I better do?
He says *Ch viscosa* is *Leucopoda* ^{Leuc.}
Knows of no one who has found
typical *B ternatum* in Mass -
He added several stars making
54 sps peculiar to N. American
Redfield in Bot Bulletin of Jan
1875 gives 69. a bad mistake.
Prof Eaton was very kind & cordial
in his remarks and in answer
to a wish to see his name

says. That I may say. "With some
corrections by Prof D C Eaton. I
wanted to say corrected by D C Eaton.
He has given direction just where
to place the new species. So that
on the whole my 4th edition will
be the most satisfactory of all.

My little was known about ferns
8 yrs ago when I got out my first
Even Miss L W Chatteruck said
in looking it over, "why I did not
know there was half as many in
N. America. She had like most
fern collectors at that time, known
only Woods & Grass Botany."

The thousands of these catalogues that
have gone over the continent have
done something toward the greater
love for ferns. And, ^{as} I told Prof Eaton
had prepared the way for his
coming fern book. I sent you
yesterday a paper read by
me on, Rare Birds, I have

known and studied the birds
for 40 yrs. and ~~ferns~~ but ten.

I think of having a lot of
labels printed for wrappers
with the generic names in
large type. Thus

Polypodium

in a neat border it seems
what everybody would want a
set of, don't you think so?

Prof Eaton did not answer
my question - "If he had known
of *Epiphyllum* - being found
in Mass." I asked the same
a year ago and he said no

in haste Truly yours
J. E. Edwards

Brigham
from the Loc. Can you tell
me what he has been doing
I have often called on him
about ferns and found him
very polite and entertaining and
am sorry to hear of any reflections
on his character. I think it is
rare that a Naturalist does anything
bad, their love for nature keeps them
in love and fear of the Divine
giver.

Truly Yours
J. M. Edwards

St. Natik May 27 1876

Mr Geo E Darnsper
Dear Sir

Many thanks for the beautiful
spec. of *Chionochloa Californica*
recd yesterday. They are the
finest that I have ever seen

You will see on my catalogue
of 1874. that I then added *S. Californica*
to the Habitat of *S. Pennsylvanica* I could
not now give my authority without
going over all the grounds of that year.
but am sure that it came from
Prof Eaton or from the Bot. Bulletin
When my press. for the list was ready
I sent it to Prof Eaton. and to "S. California
& Arizona he added "Cal". Had I noticed
how it read viz "S. Cal. Arizona, Cal"
before it was printed I should have changed

That California would not have
been repeated. Prof Eaton erased
many Habatat's when he was not done
and as he did not ~~to~~ Erase
I Cal. of this species & conclude it is
right. About H. Parry's. My
K.S.S. read. "H. Parry's Hab & N. Cal.
1874" to which Prof Eaton added
I Cal. 1886. & I have an impression
that I saw such a notice in the
Bot Bulletin within three or four months
He erased *Osmunda var Spectabilis*
& *Hapl var Cristata*. and Mess
from H. *Spinulosum* and *B. ternata*
which seemed queer after admitting
to you what you told me.

Ferns are growing finely this yr
the O Clay-tonian ~~has~~ many of
them ready to press now. and
I saw *B. Matricariaefolium* 5 in
high on Thursday. You will see
by our desiderata that we are short
of a good many species

How did you get hold of the *Anemia*?
Can you get them for me.

I enjoyed your papers upon
ferns very much. Your descriptions
powers are excellent, and show
a thorough knowledge of your
subject - Prof Eaton could not do
better. In my humble opinion
you stand next to Eaton as authority
on the ferns of our country.
Keep on my friend and you
may yet win the race. My
sympathy is with those that
work and study.

My ~~article~~ paper on birds I sent
you directed the same as I
direct your letters. I would
send another if I had it.
I recd a circular some weeks
ago from the Boston Hort Hist
Soc. of wh I am a member
calling for a meeting to consider
the question of expelling. W.D.

1 Notice Jan 19 1897
Mr G E Davenport
My Dear Sir

Your Postal is at hand, am
glad you have arranged to keep
the rarer ones. Do you mean
100 species, by the "100 Specimens"
if so it is remarkably cheap,
and should find a ready market
Mrs Rust sent an order for
checklists yesterday and asked
me if I knew where she
could buy some rare ferns
which she wanted. She would
not want the common ones
but you could get 15¢ each for
any kind she wants. I have
not heard from Vassar for two
yrs. I made some exchanges there
with Miss C C Haskell.

and you had better address
her. The Wellesley College is
not yet far enough advanced
in Botany to find customers
among its students. Have you
ever corresponded with Miss
Lydia Shattuck Mt Holyoke
Seminary. She is the principal
Botany teacher there, and
has always fixed a love for
ferns in her students. Try
her. You will never hear
from Baker, unless you go
to see him. You will find
him between "Hot
Gardens" West St.

I recd a pkg of ferns
from China last week.
Among them *Cheilanthes argentea*
I enclose a spec for you
and one for your Coll at
the Hort Rooms

I recd four specs
with a dozen duplicates each
the postage was \$1.00 I will
sell sets of the four for 25 cts
I think the *Cheilanthes* worth that
What was the better *Adiantum*
that you showed me from China
named. I have an impression
that it was *A. Candata*. I sent
mine to Prof Eaton and he
named that one *A. Capillus*
junonia. Can you tell me
of any one who has *W. the*
dealbata. that I could exchange
Cheilanthes for. Tell Mr Hitchcock
I shall keep a spec for him
I will help you all I can to
dispose of your ferns

Tracy Jones
W. Edwards

I don't think there is any regular
size for cards to mount Algae
I get them cut (10 Bromfield St)
in three sizes. $\frac{1}{2}$ should be $3\frac{1}{2}$
by 5 inches. $\frac{1}{3}$ - $4\frac{1}{2}$ by 6 and
the balance 5 by 7 - Card
about the thickness of a postal
card is good. I gave a lot
of cards to a lady who was
going to Etzessing school at
Punkeas two yrs ago. They
were so well liked by coll-
ectors of Algae that large
orders were sent for the same
I am very very sorry for the
misfortune which compels the
sale of your herb. It seems
harder than my fire, and I
thought too hard enough.
If yours goes, please allow me
to help you in gathering another
such a lover for science - should
be a fortune to a man instead
of impoverishing him.
Yours very truly W Edwards



WRITE THE ADDRESS ON THIS SIDE - THE MESSAGE ON THE OTHER



Geo R (L)avenport

8 Huntington Place
Boston

Mass

1st Dublin July 10 1871
Friend (Dear friend)

First to send
thanks I would like to have you
send me a list of all the
new papers with the Dublin
edition the publication of this
should be of some use to
the list. I have a thousand names
of those who send and write to all
a list of the new ones as they are
frequently called for. You are
always welcome to all your
wishes for your own use.

Mr Higginson & Co. & Co. & Co.
London yesterday, have been in
it since

Yours
J. F. [unclear]

I think it is a mistake
 to suppose that the
 life of a man is a
 continuous series of
 events. It is not. It is
 a series of moments
 which are separated by
 intervals of time.

I find that in some districts
the Canadian Horse is much
prevalent. It is much
by cattle, which you may find
of an other plant.

I shall make a list of the plants
of the Canadian Horse and will
be the same as at that time.

I am sorry to hear of your
illness. Hope the best results will
be obtained.

I should like to hear from you
at some time.

Yours truly,

Wm. H. Murray

8. You have not received the paper I wrote
 about another, this being the one with the
 name of the person to be named
 in the paper.

4. 2.

...

1. Geo. E. Davenport
Dorchester

I tell the truth to I
not the cause to reach paper
before your club. I think I
have had a few times before on
our society, but even in a very
social degree to be so much
a talker, but in so doing it
is no wonder as I am so far
from before them - in fact I must
be careful. You ask about the paper
saying you would like it. Will you get
it, or will you be able to make
one? I have been thinking of it
for some time, but I have not
yet decided.

✓ *Veronica* *sp.*

Dear Sir George

[illegible]

Harry will be in the Club and take
over business matters. But not to read
a paper, and as it is probably it will
be best to stop it and say no more
at the present.

Yours Truly

W. E. Lawrence

I Katiak April 22 1877
Prof. G. & E. Sargent
Dunstable

I am at work on my new Catalogue
and with your consent will adopt
the Nomenclature and arrangement
of yours. I like the cutting off of so many
varieties and of the making new species
of *A. spinulosum* - var *intermedia* & *Boottii*
&c. which should have been done long ago.

Yours will be looked upon as a catalogue
for authority and mine as one of convenience
in making exchanges. Hence I have thought
it might be convenient to propose to retain
O. sensibilis var *obtusilobata* & *C. cinnamomea*
var *frondosa*, as they are often called for & exchanged.
Still I fully approve of the manner in which you have
placed them. As my Catalogue goes all over the
country, I will if you wish, insert a line or two
something like this, For a more extended Catalogue

of American ferns, see Prof Geo E Davenport,
and excellent
New Catalogue, price 50cts. Or you may word
the time to suit yourself.

Very yours
Wm E Davenport

We are now mounting and
remounting the Robbins. Herbarium
and find many duplicates. If
you are collecting outside of your
County, there may be of value
to your Club. Dr R's collection
is very extensive particularly in
Water plants. He was the worlds
Authority on the Potamogeton. &
wh there is many duplicates, and
as they are a very hard class of
plants they are in demand.
Mr Morong of Ashland has
them in charge. and is arranging
for distribution. Your Club
should have a set. and if you
have not already made application
for one do so immediately. Our friend
J Higginson knows Mr Morong. They
are free to all as far as they go.
I should like to see you. seldom
come to Boston in these days
Yours Truly Wm Edwards



WRITE THE ADDRESS ON THIS SIDE - THE MESSAGE ON THE OTHER



Mr Geo E Sampson

Westford

Mass

Thanks for your Catalogue -
like it very much, for
it is full of information.
think you are getting ahead
of Prof Eaton as a careful
observer and ^{not} faculty of giving
a complete description of your
studies. I am going to work
on my new Check list,
and it will show many
new species obtained through
- untiring efforts. I have
during the winter spent much
time with my new microscope
particularly on the simplest,
forms of vegetable life - viz,
the Infusoria. If you have
no one in your Botanical Club
that has given their attention to
this branch I would come in
July, after the Boston schools are
closed, and see them an exhibition
of these singular forms of life.
I shall be very busy till July. I shall
have a class in Lapidary at the
College, Normal School at Framingham
and the High School in Watboro. Besides
collecting flowers for the Boston schools.
Care & Yours W Edwards



WRITE THE ADDRESS ON THIS SIDE-THE MESSAGE ON THE OTHER



Joseph E. Sampson
of Hampton
Boston
Mass



var., obliquum and dissectum
but should like a complete set
of the varieties, if possible so
to have something to work by.

I will send a bundle of ferns
among the other plants.

If you can recommend
any good collectors for the
exchange of rare ferns of
N. A. and particularly
of Gray's Manual, I should
be very much gratified.

Yours truly,
H. W. Eggleston

Address

H. W. Eggleston
Rutland, Vt.

#12 Woodstock St.

7

Rutland, Vt. ^{Oct} ~~Sept~~ 7th /93

Geo. C. Davenport

Dear Sir,

I have a collection
of Smuggler's Notch ferns
which I would like to
have you look over also a
few others.

Eoodsia hyperborea, glabella
and *Thunbergia* are my prin-
cipal troubles. I have
given them some careful
study but should like your
opinion before sending
them out. After seeing
Pringle's *hyperborea* from
the Notch I find that one
has to be very careful in

the determination.

I also have some Willoughby
by Mt. Hoodia collected
by J. W. Gaydon and H. H.
Jesup which I have a good
deal of faith in declaring
as hyperborea although they
are marked glabella.

I have made three very
successful trips to Smug-
gler's Notch this summer
one early in June, then the
last of July and the last of
August. I found *Asplenium*
viride, *Pellaea gracilis*, and
on my last trip *Aspidium*
fragrans. Pringle did not
think I would be able to find
either *fragrans* or *hyperborea*
and they are rare but I found
hyperborea on two trips.

Prof. Perkins of the U. S. M.
and the Rev. J. S. Bates

who have camped and ex-
plored in the Notch a good
deal have neither one found
fragrans so I think I am
extremely fortunate.

I also found a *Lycopodium*
both in the Notch and at
Johnson, Vt. which I
think other botanists have
mistaken for *L. Selago*
but which I think must be
distinct enough for either
a new variety or species.

Do you do special work
upon this genus? if not
can you direct me to the
proper authority?

Can you furnish me
with plants showing the
the different varieties of
Botrychium ternatum or
tell me where I can find
them, I think I know

Rutland, Vt., Nov. 12th 1903.
Geo. C. Davisport.

Dear Sir,

I have made several trips to Smuggler's Notch this summer and have got quite a collection of ferns.

I have found plenty of *Asplenium viride* and *Woodsia glabella* also *Woodsia hyperborea* and *Aspidium fragrans*.

Part of my *hyperborea* I am sure of and a good deal more I think is right judging from the plants Pringle has shown me and what he has told me about it. But Pringle said he after he had looked his plants all over he sent them to you

for verification and I should like to do the same.

There will be quite a lot of odds and ends of the more common ferns that I shall want to send also.

~~When you~~ Do you do special work upon the Lycopodiums? I have found a Lycopodium in the Notch that I think is at least a variety of Selago if not a new species.

If you do not care to look at the Lycopodiums I will send them to Prof. Robinson.

Yours truly,
H. W. Eggleston.

I should like to do a little exchanging with you but I presume the exchange would be entirely one sided.

I put in a few of my blank labels so that if there was anything in the lot you wanted you could label.

Hoping this package will not bother you too much I remain

Yours truly
H. W. Eggleston

~~H. W.~~

Address #12 Woodstock Rr.

Putland, N. H. Nov 23¹/₈

Geo. E. Davenport,

Dear Sir,

Your letter received but have been so very busy had no time to send plants but sent them today.

I send you a few sheets of *Asplenium viride* and a sheet of *Aspidium fragrans* which I expect you to keep if you like. If you want some of the *Woodsia glabella* also you may have it. Some of the sheets I marked *Woodsia hyperborea* I should not if I had not thought they resembled specimens I saw in Pringle's herbarium.

The hyperborea and the
Aspidium fragrans is very rarely
found in Smuggler's Notch.
Prof. Perkins and the Rev. G.
Bates who have camped there
a good many vacations have
never found the ~~fragrans~~ and
told me I would find neither
that or the hyperborea.

I send quite a number of
sheets from my herbarium
for identification as a wrong
specimen is worse than nothing.

My *Botrychium ternatum*
is quite a jumble as I practi-
cally know nothing about it.

I should like to get specimens
of all of the varieties if possi-
ble. I can send you some
nice *Botrychium simplex* if
you would like.

I got myself in a big muddle
over *Aspidium Boothii* and

cristatum var. *Clintonianum*.

I got a lot of ponds from
one of Pringle's Bootlin stations
and stopped to see President
Brainard on the way home
showing ^{one} sheet to him which
he pronounced *Boothii*. To-day
after studying out the differ-
ences I find I must have
about half and half *Boothii*
and var. *Clintonianum* and
I have sent them all to you.

I don't care to send Sand-
berg a mixture of hash but
I guess I shall know the
difference between typical
specimens hereafter.

My *Lycopodium* I suppose
must be *Selego* but it looks
enough different growing to
be a good variety of it, and
grows in an entirely different
situation.

THE INTERNATIONAL ANNUAL
OF
ANTHONY'S PHOTOGRAPHIC BULLETIN.

EDITORS:
ARTHUR H. ELLIOTT, Ph. D., F.C.S., New York.
W. JEROME HARRISON, F.G.S., Birmingham, Eng.
W. I. SCANDLIN, Associate Editor.

OFFICE
591 BROADWAY, NEW YORK.

March 4, 1891

Mr. Geo. E. Davisport

Dear Sir:

Thanks for yours of 2^d
with 2 article and prints. We regret that
matters have gone so far in the publication
that your sub notes cannot be put with
the original article. If you care to arrange
them with a title and put them in form
for a second article, we shall be pleased
to have you do so and we will give them a
place, further on in the volume -

The Collection of prints are most inter-
esting - please accept our thanks -

We hold you over, waiting your
instructions
Yours Truly

Arthur H. Elliott
by W. I. Scandlin.

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OFFICE
591 BROADWAY, NEW YORK.

March 9, 1891

Mr. Geo. E. Daenpach

Dear Sir-

It hardly seems possible
to utilize the sub-note sketch, as it refers so
entirely to your main article and it is too
late to use it as a part of that.

We regret, not having had it earlier
so that we could have used it in connection
with the first paper

Yours very truly

Arthur H. Elliott

By W. I. Scandlin

2 Hillhouse Av.
New Haven, Conn.,

Jan. 27, 1896.

Mr. George E. Davenport,

Dear Sir:-

About two months ago Mrs. Merrell sent the enclosed fern to Professor Eaton for determination. Mr. George F. Eaton asked me to answer her letter; and, as my knowledge of western ferns is very incomplete, I wrote asking her if she would not rather have me forward the specimen to you than accept my doubtful determination. The enclosed letter is in answer. I trust that I have not imposed

too much upon your kindness in
this matter; if at any time I
can render you any service,
I would be extremely glad to
do so.

Very sincerely yours,
Alexander W. Evans.

Small *Notholaena sinuata*